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## TABLES OF THE COEFFICIENTS A

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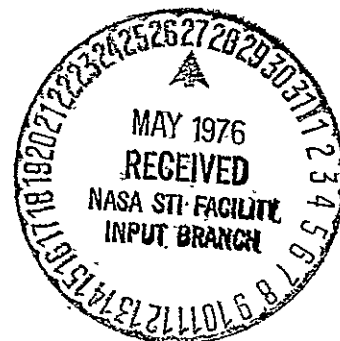
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TABLES OF THE COEFFICIENTS A

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November 1974

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# TABLES OF THE COEFFICIENTS A

## INTRODUCTION

The angular distribution for the rotationally elastic or inelastic scattering of an electron from a diatomic molecule can be written as (Arthurs and Dalgarno 1960)

$$\frac{d\sigma_{j_1 \rightarrow j_2}}{d\Omega} = \frac{k_{j_1 j_2}^{-2}}{4(2j_1 + 1)} \sum_{L=0}^{\infty} A_L^{(j_1 j_2)}(E) P_L(\cos \theta). \quad (1)$$

Here  $j_1$  and  $j_2$  are, respectively, the initial and the final rotational states of the target molecule and  $E$  is the impact energy of the incident electron.  $P_L(\cos \theta)$  is a Legendre polynomial of order  $L$  with angle  $\theta$  defining the direction of scattering measured with respect to the incident beam direction as polar axis. The explicit expression for the coefficient  $A$  for scattering of an electron from a diatomic molecule in its singlet sigma electronic state has been simplified by Chandra (1975).

In the following tables we have tabulated the coefficients  $A$ 's for  $e^- - N_2$  scattering in the energy range from 0.20 eV to 10.0 eV. The five different rotational states ( $j_1 = 0, 1, 2, 3, 4$ ) are considered. It was found that the values of  $A$ 's were non-negligible only for the transitions  $j_2 = j_1, j_1 \pm 2, j_1 \pm 4$ . Therefore, in the following tables the values of the coefficients for  $j_2 = j_1, j_1 + 2, j_1 + 4$  are only given. [Due to a symmetry relation these will also give the coefficients for the transitions  $j_2 = j_1 - 2, j_1 - 4$  (Chandra 1975).]

The different kinds of the integrated cross-sections, e. g., the elastic and the rotational excitation and de-excitation cross-section, the momentum transfer cross-section, and the viscosity cross-section, can be calculated by using the values of these coefficients in the appropriate formulae (Chandra 1975).

## REFERENCES

- Arthurs, A. M. and Dalgarno, A., 1960 Proc. R. Soc. 4 256-540.  
Chandra, N ., 1975 J. Phys. B: Atom. Molec. Phys. 8 1338.



E = 0.20 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.596281D-01	3.952449D-03	6.136134D-06
2	A% 1< #	-8.183341D-02	-1.006005D-03	9.243575D-06
3	A% 2< #	-2.860046D-02	-2.644709D-05	9.689349D-06
4	A% 3< #	-8.769026D-03	-3.958915D-04	5.273212D-06
5	A% 4< #	-4.712441D-03	-5.932235D-04	-4.971669D-07
6	A% 5< #	-3.545485D-03	-8.298069D-04	-6.390943D-06
7	A% 6< #	7.458182D-04	-3.287646D-04	-8.873622D-06
8	A% 7< #	1.411841D-03	-2.350843D-04	-1.029624D-05
9	A% 8< #	1.358517D-03	-2.161696D-04	-5.728143D-06
10	A% 9< #	1.185285D-03	-2.227796D-04	-7.522004D-07
11	A% 10< #	1.055793D-03	-2.457580D-04	-2.943275D-06
12	A% 11< #	1.022757D-03	-2.516323D-04	6.040490D-06
13	A% 12< #	9.234694D-04	5.844368D-05	8.274501D-06
14	A% 13< #	-4.478875D-04	1.286549D-04	5.948405D-06
15	A% 14< #	-1.732733D-04	1.122497D-04	-2.366989D-06
16	A% 15< #	-6.840236D-05	9.182026D-05	-1.809149D-06
17	A% 16< #	-2.391113D-05	7.069482D-05	-3.399405D-06
18	A% 17< #	-2.189249D-06	4.677578D-05	-9.703485D-07
19	A% 18< #	-8.913460D-06	2.762640D-05	-2.735530D-07
20	A% 19< #	1.021325D-05	1.851622D-05	-1.057192D-07
21	A% 20< #	8.606422D-06	1.232681D-05	-3.581280D-08
22	A% 21< #	6.185509D-06	7.680637D-06	1.934187D-07
23	A% 22< #	3.993720D-06	4.034401D-06	-3.307948D-07
24	A% 23< #	2.101785D-06	1.456425D-06	3.316577D-07
25	A% 24< #	8.416227D-07	5.817025D-07	-1.281578D-07

E = 0.60 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.047387D-01	1.714574D-02	-9.257046D-05
2	A% 1< #	-1.530813D-01	-1.144968D-02	1.626925D-05
3	A% 2< #	-2.111645D-01	2.466011D-03	-6.122239D-05
4	A% 3< #	-5.892933D-02	-1.135318D-03	1.279011D-05
5	A% 4< #	-2.252918D-02	-1.734548D-03	-2.314121D-05
6	A% 5< #	-1.534965D-02	-2.653862D-03	-1.133177D-05
7	A% 6< #	9.805037D-04	-5.499002D-04	-2.849109D-05
8	A% 7< #	4.803898D-03	-3.564402D-04	-6.087666D-06
9	A% 8< #	4.369140D-03	-3.173066D-04	-3.566337D-06
10	A% 9< #	3.500650D-03	-3.765530D-04	-2.718226D-06
11	A% 10< #	2.921764D-03	-5.058925D-04	-2.668039D-06
12	A% 11< #	2.743822D-03	-6.796208D-04	1.787286D-05
13	A% 12< #	2.223684D-03	3.162556D-04	-2.440947D-05
14	A% 13< #	-1.031310D-03	3.445986D-04	1.915442D-05
15	A% 14< #	-6.440418D-04	2.946884D-04	-6.981361D-06
16	A% 15< #	-2.748682D-04	2.515885D-04	-7.278009D-06
17	A% 16< #	-1.306904D-04	1.963324D-04	-1.168582D-05
18	A% 17< #	-5.543053D-05	1.292528D-04	-3.172530D-06
19	A% 18< #	-1.196192D-05	7.531373D-05	-1.165121D-06
20	A% 19< #	3.065535D-06	4.820164D-05	2.976096D-07
21	A% 20< #	7.224821D-06	3.045382D-05	-2.272947D-07
22	A% 21< #	6.886960D-06	1.768839D-05	5.226003D-07
23	A% 22< #	5.177963D-06	8.435882D-06	-6.594849D-07
24	A% 23< #	2.980722D-06	2.200740D-06	6.040950D-07
25	A% 24< #	1.273437D-06	9.199497D-07	-2.339240D-07

E = 1.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.057107D-00	3.075370D-02	1.336006D-03
2	AX 1< #	7.079705D-04	-3.608321D-02	-7.041140D-05
3	AX 2< #	-5.183310D-01	1.251508D-02	6.090239D-04
4	AX 3< #	-1.628485D-01	-1.891232D-03	1.289133D-05
5	AX 4< #	-3.529005D-02	-2.664210D-03	1.870550D-04
6	AX 5< #	-2.342157D-02	-4.535869D-03	3.698365D-05
7	AX 6< #	3.837250D-03	-2.151418D-04	3.198478D-04
8	AX 7< #	1.165048D-02	-2.074899D-05	1.071524D-04
9	AX 8< #	-9.403912D-03	1.437580D-04	-4.150327D-05
10	AX 9< #	6.842759D-03	-2.248686D-05	-2.544251D-05
11	AX 10< #	-5.200357D-03	-3.693810D-04	-3.982274D-05
12	AX 11< #	4.503656D-03	-9.243206D-04	1.762064D-05
13	AX 12< #	3.207748D-03	8.018994D-04	-2.869432D-05
14	AX 13< #	-8.916944D-04	5.137702D-04	3.687660D-05
15	AX 14< #	-9.421948D-04	4.358265D-04	1.422163D-05
16	AX 15< #	-3.806236D-04	3.978220D-04	-1.410345D-05
17	AX 16< #	-1.980051D-04	3.160238D-04	-2.126837D-05
18	AX 17< #	-9.793910D-05	2.099563D-04	-5.934295D-06
19	AX 18< #	-3.565223D-05	1.235360D-04	-1.923751D-06
20	AX 19< #	-1.020221D-05	7.702730D-05	1.044504D-06
21	AX 20< #	-2.588782D-09	4.684612D-05	7.662208D-07
22	AX 21< #	3.199982D-06	2.567716D-05	9.120559D-07
23	AX 22< #	-3.481456D-06	1.123536D-05	-6.399123D-07
24	AX 23< #	2.337739D-06	1.890438D-06	6.523712D-07
25	AX 24< #	1.096966D-06	6.399046D-07	-2.530344D-07

E = 1.40 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.512007D-00	6.058701D-02	1.190418D-02
2	AX 1< #	2.056482D-01	-8.190246D-02	-4.850538D-04
3	AX 2< #	-9.210000D-01	3.043203D-02	6.075867D-03
4	AX 3< #	-3.420724D-01	-2.000099D-03	9.754608D-06
5	AX 4< #	-1.040112D-02	-1.002340D-03	8.664603D-04
6	AX 5< #	-6.698186D-03	-8.904198D-03	2.546977D-04
7	AX 6< #	-2.031716D-02	7.189157D-04	1.358387D-03
8	AX 7< #	2.850692D-02	7.777142D-04	8.362484D-04
9	AX 8< #	1.976794D-02	1.587756D-03	2.031132D-04
10	AX 9< #	1.293048D-02	1.276974D-03	1.241341D-04
11	AX 10< #	8.772952D-03	5.313523D-04	2.209910D-04
12	AX 11< #	6.767789D-03	-7.256388D-04	-1.588222D-05
13	AX 12< #	4.282935D-03	1.659110D-03	4.670610D-05
14	AX 13< #	-1.254885D-04	6.295665D-04	6.333506D-05
15	AX 14< #	-9.388882D-04	5.281321D-04	-2.772040D-05
16	AX 15< #	-8.056487D-04	6.373616D-04	-2.183314D-05
17	AX 16< #	-1.787233D-04	4.351419D-04	-3.186097D-05
18	AX 17< #	-1.005913D-04	2.935141D-04	-9.359268D-06
19	AX 18< #	-4.369478D-05	1.762999D-04	3.315507D-06
20	AX 19< #	-1.795781D-05	1.083943D-04	1.957225D-06
21	AX 20< #	-5.881399D-06	6.414472D-05	1.586412D-06
22	AX 21< #	-3.910948D-07	3.550193D-05	1.412048D-06
23	AX 22< #	-1.342907D-05	1.257432D-05	9.215074D-07
24	AX 23< #	1.273504D-06	1.310842D-06	5.884937D-07
25	AX 24< #	7.146306D-07	6.003324D-07	2.282004D-07

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E = 1.80 eV, j = 0

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	2.074845D-00	1.228699D-01	9.702930D-02
2	AX 1< #	5.710997D-01	-1.692209D-01	-1.684080D-03
3	AX 2< #	-1.347209D-00	9.301483D-02	4.848338D-02
4	AX 3< #	-6.729716D-01	-4.956087D-03	8.776166D-05
5	AX 4< #	4.252761D-01	-1.250127D-02	4.327365D-03
6	AX 5< #	9.946949D-02	-5.026895D-03	1.014094D-03
7	AX 6< #	8.518228D-02	-2.582164D-03	4.720506D-03
8	AX 7< #	7.680996D-02	2.070948D-03	1.937983D-03
9	AX 8< #	4.585377D-02	5.463564D-03	7.122717D-04
10	AX 9< #	2.706777D-02	5.041904D-03	-4.779658D-04
11	AX10< #	1.633859D-02	3.477201D-03	-8.549783D-04
12	AX11< #	1.090246D-02	7.078548D-04	-2.851392D-04
13	AX12< #	6.178943D-03	3.438493D-03	-2.411388D-04
14	AX13< #	1.322809D-03	6.856398D-04	1.088908D-04
15	AX14< #	-5.670579D-04	5.404930D-04	-5.592508D-05
16	AX15< #	-1.039633D-05	6.736247D-04	-3.025596D-05
17	AX16< #	-4.956228D-05	5.564139D-04	-4.332740D-05
18	AX17< #	-4.882938D-05	3.822944D-04	-1.349013D-05
19	AX18< #	-2.681481D-05	2.356186D-04	2.225493D-06
20	AX19< #	-1.437084D-05	1.440036D-04	2.943807D-06
21	AX20< #	-6.827382D-06	8.367237D-05	-2.598276D-06
22	AX21< #	-2.546773D-06	4.237529D-05	2.048805D-06
23	AX22< #	3.623614D-07	1.638064D-05	1.141592D-06
24	AX23< #	3.404100D-07	5.375498D-07	4.692038D-07
25	AX24< #	3.275480D-07	3.307148D-07	1.831949D-07

E = 2.00 eV, j = 0

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	2.573436D-00	1.959843D-01	3.134320D-01
2	AX 1< #	6.467695D-01	-2.470936D-01	-2.403944D-03
3	AX 2< #	-1.202251D-00	1.154225D-01	1.300243D-01
4	AX 3< #	-9.702625D-01	-6.086131D-03	3.155815D-04
5	AX 4< #	1.238797D-00	5.424938D-02	1.107611D-02
6	AX 5< #	2.503893D-01	-2.082653D-03	1.962870D-03
7	AX 6< #	1.700608D-01	4.275026D-03	8.828361D-03
8	AX 7< #	1.335739D-01	2.965253D-03	3.648179D-03
9	AX 8< #	7.510045D-02	9.787130D-03	1.325084D-03
10	AX 9< #	4.243344D-02	9.391913D-03	-9.288198D-04
11	AX10< #	2.432462D-02	7.015938D-03	-1.654765D-03
12	AX11< #	1.503742D-02	2.663873D-03	-6.294509D-04
13	AX12< #	8.079753D-03	5.236302D-03	-5.528493D-04
14	AX13< #	2.491448D-03	6.932907D-04	1.473692D-04
15	AX14< #	-1.998674D-04	4.922443D-04	-8.244438D-05
16	AX15< #	2.281946D-04	7.412387D-04	-3.468611D-05
17	AX16< #	6.104603D-05	6.184161D-04	-4.936114D-05
18	AX17< #	4.651846D-07	4.291302D-04	-1.582933D-05
19	AX18< #	-7.113788D-06	2.681508D-04	1.976220D-06
20	AX19< #	-7.119867D-06	1.637495D-04	3.446152D-06
21	AX20< #	-4.705545D-06	9.454508D-05	3.177758D-06
22	AX21< #	-2.323835D-06	4.730525D-05	2.423790D-06
23	AX22< #	-6.849898D-07	1.796238D-06	1.239998D-06
24	AX23< #	3.700904D-08	2.640285D-07	4.004135D-07
25	AX24< #	1.736939D-07	2.112515D-07	1.567228D-07

ORIGINAL PAGE IS  
OF POOR QUALITY

E = 2.10 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.019023D-00	2.954661D-01	6.082448D-01
2	AX 1< #	6.939776D-01	-2.965619D-01	-2.124239D-03
3	AX 2< #	5.541680D-01	8.053304D-02	-2.467326D-01
4	AX 3< #	-1.169668D-00	-5.096589D-03	5.868228D-04
5	AX 4< #	2.169801D-00	1.127243D-01	1.008445D-02
6	AX 5< #	3.723227D-01	5.115741D-04	2.694547D-03
7	AX 6< #	2.371862D-01	5.447447D-03	1.197421D-02
8	AX 7< #	1.771609D-01	3.477012D-03	4.958419D-03
9	AX 8< #	9.723767D-02	1.299083D-02	1.791504D-03
10	AX 9< #	5.404267D-02	1.266057D-02	-1.281086D-03
11	AX 10< #	3.036321D-02	9.703030D-03	-2.277562D-03
12	AX 11< #	1.814119D-02	4.186341D-03	-9.079006D-04
13	AX 12< #	9.536736D-03	6.534453D-03	-8.048155D-04
14	AX 13< #	3.294859D-03	6.988816D-04	1.718483D-04
15	AX 14< #	7.224819D-05	4.515614D-04	9.992398D-05
16	AX 15< #	3.713039D-04	7.749412D-04	-3.692267D-05
17	AX 16< #	1.284874D-04	5.497817D-04	-5.242411D-05
18	AX 17< #	3.137557D-05	4.532192D-04	-1.707448D-05
19	AX 18< #	5.826640D-06	2.851897D-04	1.792573D-06
20	AX 19< #	-1.966030D-06	1.741547D-04	3.697037D-06
21	AX 20< #	-2.894995D-06	1.002950D-04	3.485022D-06
22	AX 21< #	-1.860419D-06	4.993001D-05	2.626133D-06
23	AX 22< #	-6.935411D-07	1.882770D-05	1.295408D-06
24	AX 23< #	-5.854025D-08	1.538513D-07	3.653260D-07
25	AX 24< #	1.122842D-07	1.589612D-07	1.431853D-07

E = 2.20 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.767235D-00	4.779162D-01	1.215150D-00
2	AX 1< #	6.716111D-01	-3.356306D-01	2.491226D-04
3	AX 2< #	1.377562D-00	-4.590203D-02	5.022393D-01
4	AX 3< #	-1.355809D-00	9.915236D-04	1.067204D-03
5	AX 4< #	3.885069D-00	2.401540D-01	3.455444D-02
6	AX 5< #	5.060752D-01	3.131424D-03	3.457269D-03
7	AX 6< #	3.100401D-01	6.684781D-03	1.528182D-02
8	AX 7< #	2.242535D-01	3.945525D-03	6.325299D-03
9	AX 8< #	1.214140D-01	1.627211D-02	2.279360D-03
10	AX 9< #	6.689005D-02	1.602240D-02	-1.655427D-03
11	AX 10< #	3.715607D-02	1.246726D-02	-2.938936D-03
12	AX 11< #	2.171025D-02	5.743969D-03	-1.215691D-03
13	AX 12< #	1.131815D-02	7.859871D-03	-1.081938D-03
14	AX 13< #	4.285768D-03	7.223372D-04	1.929570D-04
15	AX 14< #	4.812873D-04	4.219462D-04	1.147266D-04
16	AX 15< #	5.308654D-04	8.087155D-04	-3.921668D-05
17	AX 16< #	2.042928D-04	6.814854D-04	-5.555675D-05
18	AX 17< #	6.659683D-05	4.777821D-04	-1.835963D-05
19	AX 18< #	2.088849D-05	3.027613D-04	1.576868D-06
20	AX 19< #	4.260359D-06	1.849290D-04	3.947027D-06
21	AX 20< #	-5.516940D-07	1.062650D-04	3.803703D-06
22	AX 21< #	-1.142995D-06	5.267009D-05	2.838452D-06
23	AX 22< #	-5.895436D-07	1.974814D-05	1.355345D-06
24	AX 23< #	-1.116262D-07	6.453118D-08	3.302571D-07
25	AX 24< #	6.302826D-08	1.127967D-07	1.296417D-07

E = 2.30 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.918092D-00	8.660225D-01	2.373674D-00
2	AX 1< #	8.641473D-01	-2.905390D-01	8.360346D-03
3	AX 2< #	6.113615D-00	-4.623765D-01	9.799053D-01
4	AX 3< #	-1.280334D 00	2.137668D-02	1.715289D-03
5	AX 4< #	6.587480D 00	4.904624D-01	6.087765D-02
6	AX 5< #	4.941989D-01	1.147240D-03	3.275030D-03
7	AX 6< #	3.037337D-01	6.826488D-03	1.463014D-02
8	AX 7< #	2.227104D-01	4.032635D-03	6.029302D-03
9	AX 8< #	1.224598D-01	1.550951D-02	2.179759D-03
10	AX 9< #	6.853903D-02	1.520880D-02	-1.590283D-03
11	AX 10< #	3.980124D-02	1.171819D-02	-2.826669D-03
12	AX 11< #	2.287498D-02	5.183896D-03	-1.196944D-03
13	AX 12< #	1.234605D-02	7.633005D-03	-1.059081D-03
14	AX 13< #	5.189498D-03	7.974411D-04	1.792909D-04
15	AX 14< #	1.156769D-03	4.963234D-04	1.018581D-04
16	AX 15< #	7.070481D-04	8.425309D-04	-4.154020D-05
17	AX 16< #	2.885855D-04	7.135132D-04	-5.873597D-05
18	AX 17< #	1.062193D-04	5.028354D-04	-1.969308D-05
19	AX 18< #	3.814359D-05	3.208825D-04	1.322331D-06
20	AX 19< #	1.159513D-05	1.960865D-04	4.195446D-06
21	AX 20< #	2.346559D-06	1.124660D-04	4.133838D-06
22	AX 21< #	-1.583995D-07	5.553250D-05	3.061340D-06
23	AX 22< #	-3.656593D-07	2.072839D-05	1.420298D-06
24	AX 23< #	-1.127483D-07	-1.737114D-09	2.955310D-07
25	AX 24< #	-2.716593D-08	7.354859D-08	1.162244D-07

E = 2.32 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.167549D 00	9.660483D-01	2.652726D 00
2	AX 1< #	9.539472D-01	-2.591126D-01	1.099635D-02
3	AX 2< #	7.447636D 00	-5.516397D-01	1.094914D 00
4	AX 3< #	-1.188022D 00	2.799598D-02	1.811700D-03
5	AX 4< #	7.134764D 00	6.524856D-01	6.666952D-02
6	AX 5< #	4.412982D-01	-7.160280D-04	2.928632D-03
7	AX 6< #	2.752807D-01	6.486805D-03	1.319069D-02
8	AX 7< #	2.057223D-01	3.949438D-03	5.423599D-03
9	AX 8< #	1.146200D-01	1.405290D-02	1.966629D-03
10	AX 9< #	6.487232D-02	1.369244D-02	-1.429832D-03
11	AX 10< #	3.717390D-02	1.042967D-02	-2.545019D-03
12	AX 11< #	2.217338D-02	4.390465D-03	-1.078577D-03
13	AX 12< #	1.219230D-02	7.087251D-03	-9.498319D-04
14	AX 13< #	5.274379D-03	8.211560D-04	1.669795D-04
15	AX 14< #	1.328010D-03	5.391962D-04	9.163188D-05
16	AX 15< #	7.442997D-04	8.492996D-04	-4.200964D-05
17	AX 16< #	3.664759D-04	7.199589D-04	-5.537693D-05
18	AX 17< #	1.146794D-04	5.079053D-04	-1.996548D-05
19	AX 18< #	4.186258D-05	3.245731D-04	1.267434D-06
20	AX 19< #	1.319810D-05	1.983643D-04	4.244911D-06
21	AX 20< #	2.994663D-06	1.137344D-04	4.201211D-06
22	AX 21< #	7.167623D-08	5.612009D-05	3.107157D-06
23	AX 22< #	-3.058878D-07	2.093186D-05	1.433897D-06
24	AX 23< #	-1.143703D-07	-1.204343D-08	2.886552D-07
25	AX 24< #	-2.170443D-08	6.659684D-08	1.135676D-07

E = 2.34 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.372576D-00	1.066692D-00	<del>2.923118D-00</del>
2	A% 1< #	1.066362D-00	-2.184198D-01	1.386333D-02
3	A% 2< #	8.838206D-00	-7.318400D-01	<del>1.206307D-00</del>
4	A% 3< #	-1.061581D-00	3.530044D-02	1.877993D-03
5	A% 4< #	7.611017D-00	6.134945D-01	<del>7.200108D-02</del>
6	A% 5< #	3.640905D-01	-3.256123D-03	2.436459D-03
7	A% 6< #	2.338086D-01	5.972668D-03	<del>1.113611D-02</del>
8	A% 7< #	1.807572D-01	3.824994D-03	4.561881D-03
9	A% 8< #	1.029063D-01	1.199060D-02	<del>1.662870D-03</del>
10	A% 9< #	5.926059D-02	1.154550D-02	-1.199605D-03
11	A% 10< #	3.458077D-02	8.610820D-03	<del>2.140676D-03</del>
12	A% 11< #	2.100065D-02	3.280974D-03	-9.046864D-04
13	A% 12< #	1.184475D-02	6.309074D-03	<del>7.501102D-04</del>
14	A% 13< #	5.299347D-03	8.468845D-04	1.506030D-04
15	A% 14< #	1.505079D-03	5.936531D-04	<del>7.816911D-05</del>
16	A% 15< #	7.822289D-04	8.560700D-04	-4.247752D-05
17	A% 16< #	3.247145D-04	7.264180D-04	<del>6.601870D-05</del>
18	A% 17< #	1.233204D-04	5.129947D-04	-2.023974D-05
19	A% 18< #	4.567225D-05	3.282857D-04	<del>1.210434D-06</del>
20	A% 19< #	1.484720D-05	2.006575D-04	4.294251D-06
21	A% 20< #	3.666050D-06	1.150122D-04	<del>4.269027D-06</del>
22	A% 21< #	3.130615D-07	5.671255D-05	3.153388D-06
23	A% 22< #	2.409846D-07	2.113770D-05	<del>1.447661D-06</del>
24	A% 23< #	-1.080009D-07	-2.133449D-08	2.818049D-07
25	A% 24< #	1.683417D-08	5.995763D-08	<del>1.109219D-07</del>

E = 2.36 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.546466D-00	1.162199D-00	<del>3.166754D-00</del>
2	A% 1< #	1.200425D-00	-1.692496D-01	1.686169D-02
3	A% 2< #	1.021198D-01	-8.766374D-01	<del>1.306658D-00</del>
4	A% 3< #	-9.024226D-01	4.299453D-02	1.898795D-03
5	A% 4< #	7.573228D-00	6.696180D-01	<del>7.645779D-02</del>
6	A% 5< #	2.623537D-01	-6.463488D-03	1.799778D-03
7	A% 6< #	1.792354D-01	5.284248D-03	<del>8.468640D-03</del>
8	A% 7< #	1.477706D-01	3.663521D-03	3.445513D-03
9	A% 8< #	8.728331D-02	9.329408D-03	<del>1.269013D-03</del>
10	A% 9< #	5.167411D-02	8.774237D-03	-8.596034D-04
11	A% 10< #	3.099723D-02	6.266758D-03	<del>1.613661D-03</del>
12	A% 11< #	1.534047D-02	1.859239D-03	-6.745900D-04
13	A% 12< #	1.128994D-02	5.301160D-03	<del>5.793323D-04</del>
14	A% 13< #	5.256122D-03	8.733693D-04	1.304559D-04
15	A% 14< #	1.681698D-03	6.586987D-04	<del>6.168790D-05</del>
16	A% 15< #	8.208330D-04	8.628432D-04	-4.294618D-05
17	A% 16< #	3.432999D-04	7.328920D-04	<del>6.066176D-05</del>
18	A% 17< #	1.321418D-04	5.181047D-04	-2.051580D-05
19	A% 18< #	4.957249D-05	3.320210D-04	<del>1.151982D-06</del>
20	A% 19< #	1.654245D-05	2.029667D-04	4.343555D-06
21	A% 20< #	4.360764D-06	1.162993D-04	<del>4.337276D-06</del>
22	A% 21< #	5.658062D-07	5.731000D-05	3.200019D-06
23	A% 22< #	1.709091D-07	2.134610D-05	<del>1.461653D-06</del>
24	A% 23< #	-9.961180D-08	-2.958802D-08	2.749876D-07
25	A% 24< #	1.256394D-08	5.363662D-08	<del>1.082882D-07</del>

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E = 2.38 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.663917D-00	1.246184D-00	3.365067D-00
2	A% 1< #	1.352279D-00	-1.136112D-01	1.982381D-02
3	A% 2< #	1.148160D-01	-1.017736D-00	-1.388266D-00
4	A% 3< #	-7.163233D-01	5.066687D-02	1.865517D-03
5	A% 4< #	8.183027D-00	-7.167397D-01	-7.564499D-02
6	A% 5< #	1.388520D-01	-1.024363D-02	1.037518D-03
7	A% 6< #	1.130821D-01	-4.443154D-03	-5.267156D-03
8	A% 7< #	1.077015D-01	3.474512D-03	2.107876D-03
9	A% 8< #	6.819238D-02	6.151876D-03	-7.968455D-04
10	A% 9< #	4.232137D-02	5.463254D-03	-5.384364D-04
11	A% 10< #	2.651603D-02	3.468735D-03	-9.791694D-04
12	A% 11< #	1.723331D-02	1.686162D-04	-3.943831D-04
13	A% 12< #	1.053722D-02	-4.095126D-03	-3.231328D-04
14	A% 13< #	5.143242D-03	8.989679D-04	1.073523D-04
15	A% 14< #	1.850412D-03	-7.317887D-04	-4.283503D-05
16	A% 15< #	8.601162D-04	8.696181D-04	-4.341542D-05
17	A% 16< #	3.622348D-04	7.393803D-04	-6.130609D-05
18	A% 17< #	1.411452D-04	5.232351D-04	-2.079383D-05
19	A% 18< #	5.356413D-05	3.357789D-04	-1.091935D-06
20	A% 19< #	1.828430D-05	2.052918D-04	4.392772D-06
21	A% 20< #	5.079055D-06	1.175961D-04	-4.405984D-06
22	A% 21< #	8.300397D-07	5.791283D-05	3.247087D-06
23	A% 22< #	-9.559962D-08	2.155710D-05	-1.475902D-06
24	A% 23< #	-8.918129D-08	-3.679377D-08	2.682008D-07
25	A% 24< #	8.902357D-09	4.763937D-08	-1.056674D-07

E = 2.40 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.714526D-00	1.312817D-00	3.502320D-00
2	A% 1< #	1.515318D-00	-5.459637D-02	2.257124D-02
3	A% 2< #	1.256062D-01	-1.146155D-00	-1.444684D-00
4	A% 3< #	-5.132139D-01	5.784849D-02	1.775322D-03
5	A% 4< #	8.215660D-00	-7.512948D-01	-8.127984D-02
6	A% 5< #	-5.478735D-04	-1.441827D-02	1.867182D-04
7	A% 6< #	3.357183D-02	-3.494479D-03	-1.685130D-03
8	A% 7< #	6.251762D-02	3.272488D-03	6.146403D-04
9	A% 8< #	4.653796D-02	-2.615516D-03	-2.688795D-04
10	A% 9< #	3.164931D-02	1.775672D-03	-1.336220D-04
11	A% 10< #	2.134924D-02	-3.539515D-04	-2.679109D-04
12	A% 11< #	1.477775D-02	-1.708371D-03	-7.720183D-05
13	A% 12< #	9.620451D-03	-2.751539D-03	-3.382641D-05
14	A% 13< #	4.967024D-03	9.219089D-04	8.249218D-05
15	A% 14< #	2.003493D-03	8.090275D-04	-2.265045D-05
16	A% 15< #	9.999045D-04	8.764000D-04	-4.382262D-05
17	A% 16< #	3.814488D-04	7.458840D-04	-6.189513D-05
18	A% 17< #	1.503103D-04	5.283795D-04	-2.108360D-05
19	A% 18< #	5.765097D-05	-3.395534D-04	-1.022647D-06
20	A% 19< #	2.007309D-05	2.076333D-04	4.441878D-06
21	A% 20< #	5.821120D-06	-1.189029D-04	-4.475138D-06
22	A% 21< #	1.105871D-06	5.852097D-05	3.294605D-06
23	A% 22< #	-1.499962D-08	-2.177093D-05	-1.490349D-06
24	A% 23< #	-7.668538D-08	-4.293794D-08	2.614447D-07
25	A% 24< #	5.658116D-09	-4.197141D-08	-1.030606D-07

E = 2.42 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.695536D-00	1.358077D-00	3.559524D-00
2	A% 1< #	1.681173D-00	4.093220D-03	2.490997D-02
3	A% 2< #	1.338104D-01	-1.253943D-00	1.472255D-00
4	A% 3< #	-3.056951D-01	6.411757D-02	1.631061D-03
5	A% 4< #	-8.066903D-00	-7.710593D-01	-8.122070D-02
6	A% 5< #	-1.477102D-01	-1.874918D-02	-7.016873D-04
7	A% 6< #	-3.999266D-02	-2.495625D-03	-2.054546D-03
8	A% 7< #	1.488397D-02	3.074196D-03	-9.461148D-04
9	A% 8< #	2.369432D-02	-1.067346D-03	-2.814362D-04
10	A% 9< #	2.032470D-02	-2.068434D-03	2.912415D-04
11	A% 10< #	1.582194D-02	-2.892534D-03	4.782930D-04
12	A% 11< #	1.213071D-02	-3.660729D-03	2.584131D-04
13	A% 12< #	8.600308D-03	1.351658D-03	-2.722637D-04
14	A% 13< #	4.744233D-03	9.406008D-04	5.765871D-05
15	A% 14< #	2.135885D-03	8.857297D-04	-2.372488D-06
16	A% 15< #	9.405450D-04	8.831777D-04	-4.429343D-05
17	A% 16< #	4.010815D-04	-7.524002D-04	-6.254161D-05
18	A% 17< #	1.596779D-04	5.335505D-04	-2.136568D-05
19	A% 18< #	6.182578D-05	-3.433566D-04	-9.593872D-07
20	A% 19< #	2.190886D-05	2.099902D-04	4.490850D-06
21	A% 20< #	6.587019D-06	1.202191D-04	4.544681D-06
22	A% 21< #	1.393354D-06	5.913430D-05	3.342531D-06
23	A% 22< #	-7.093057D-08	-2.198741D-05	-1.505018D-06
24	A% 23< #	-6.209774D-08	-4.800027D-08	2.547273D-07
25	A% 24< #	3.439550D-09	-3.663816D-08	-1.004685D-07

E = 2.44 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.612434D-00	1.380575D-00	3.566211D-00
2	A% 1< #	1.841403D-00	5.892239D-02	2.674563D-02
3	A% 2< #	1.390746D-01	-1.335837D-00	1.470742D-00
4	A% 3< #	-1.065012D-01	6.915331D-02	1.443533D-03
5	A% 4< #	-7.753849D-00	-7.756223D-01	-7.957928D-02
6	A% 5< #	-2.938105D-01	-2.298797D-02	-1.575446D-03
7	A% 6< #	-1.178401D-01	-1.510722D-03	-5.735167D-03
8	A% 7< #	-3.228307D-02	2.895363D-03	-2.480389D-03
9	A% 8< #	1.025322D-03	-4.675128D-03	-8.225576D-04
10	A% 9< #	9.041145D-03	-5.838767D-03	7.105716D-04
11	A% 10< #	1.027643D-02	-6.077031D-03	-1.214697D-03
12	A% 11< #	9.457776D-03	-5.572790D-03	5.925021D-04
13	A% 12< #	7.543584D-03	-1.551667D-05	-5.765552D-04
14	A% 13< #	4.494622D-03	9.539875D-04	3.427467D-05
15	A% 14< #	2.244244D-03	9.574272D-04	-1.675254D-05
16	A% 15< #	9.818669D-04	8.899587D-04	-4.476314D-05
17	A% 16< #	4.210638D-04	-7.589312D-04	-6.318949D-05
18	A% 17< #	1.692284D-04	5.387425D-04	-2.164971D-05
19	A% 18< #	-6.609275D-05	-3.471830D-04	-8.945208D-07
20	A% 19< #	2.379178D-05	2.123633D-04	4.539676D-06
21	A% 20< #	7.376863D-06	-1.215452D-04	4.614685D-06
22	A% 21< #	1.692561D-06	5.975312D-05	3.390932D-06
23	A% 22< #	1.622354D-07	2.220644D-05	-1.519920D-06
24	A% 23< #	-4.539458D-08	-5.196432D-08	2.480529D-07
25	A% 24< #	1.655050D-09	-3.164500D-08	-9.789213D-08



E = 2.46 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.477367D-00	1.381614D-00	3.499823D-00
2	A% 1< #	1.989000D-00	1.071145D-01	2.801989D-02
<del>3</del>	<del>A% 2&lt; #</del>	<del>1.414074D-01</del>	<del>-1.389966D-00</del>	<del>1.443240D-00</del>
4	A% 3< #	7.378034D-02	7.281598D-02	1.226140D-03
<del>5</del>	<del>A% 4&lt; #</del>	<del>7.310404D-00</del>	<del>7.663115D-01</del>	<del>7.669976D-02</del>
6	A% 5< #	-4.309924D-01	-2.692041D-02	-2.387780D-03
<del>7</del>	<del>A% 6&lt; #</del>	<del>-1.907710D-01</del>	<del>-5.958405D-04</del>	<del>-9.160522D-03</del>
8	A% 7< #	-7.641064D-02	2.748530D-03	-3.906502D-03
<del>9</del>	<del>A% 8&lt; #</del>	<del>-2.021601D-02</del>	<del>-8.015216D-03</del>	<del>-1.325541D-03</del>
10	A% 9< #	-1.568542D-03	-9.334645D-03	1.102022D-03
<del>11</del>	<del>A% 10&lt; #</del>	<del>5.029606D-03</del>	<del>-9.030677D-03</del>	<del>-1.901972D-03</del>
12	A% 11< #	6.914702D-03	-7.344153D-03	9.070562D-04
<del>13</del>	<del>A% 12&lt; #</del>	<del>6.516300D-03</del>	<del>-1.288116D-03</del>	<del>-8.627461D-04</del>
14	A% 13< #	4.239841D-03	9.617139D-04	1.358126D-05
<del>15</del>	<del>A% 14&lt; #</del>	<del>2.328687D-03</del>	<del>-1.020627D-03</del>	<del>-3.374514D-05</del>
16	A% 15< #	1.023873D-03	8.967427D-04	-4.523431D-05
<del>17</del>	<del>A% 16&lt; #</del>	<del>4.413965D-04</del>	<del>-7.654771D-04</del>	<del>-6.383908D-05</del>
18	A% 17< #	1.789624D-04	5.439559D-04	-2.193567D-05
<del>19</del>	<del>A% 18&lt; #</del>	<del>7.045225D-05</del>	<del>3.510328D-04</del>	<del>-8.280875D-07</del>
20	A% 19< #	2.572209D-05	2.147530D-04	4.588449D-06
<del>21</del>	<del>A% 20&lt; #</del>	<del>8.190799D-06</del>	<del>-1.228816D-04</del>	<del>-4.685185D-06</del>
22	A% 21< #	2.003578D-06	6.037739D-05	3.439762D-06
<del>23</del>	<del>A% 22&lt; #</del>	<del>2.589630D-07</del>	<del>-2.242831D-05</del>	<del>-1.535043D-06</del>
24	A% 23< #	-2.655326D-08	-5.481582D-08	2.414239D-07
<del>25</del>	<del>A% 24&lt; #</del>	<del>5.128652D-10</del>	<del>-2.699724D-08</del>	<del>9.533235D-08</del>

E = 2.48 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.305930D-00	1.364528D-00	3.383192D-00
2	A% 1< #	2.119420D-00	1.470396D-01	2.874936D-02
3	A% 2< #	1.411231D-01	-1.417670D-00	1.395046D-00
4	A% 3< #	2.282660D-01	7.512954D-02	9.934887D-04
5	A% 4< #	6.778582D-00	7.456907D-01	7.263528D-02
6	A% 5< #	-5.536136D-01	-3.039913D-02	-3.106268D-03
7	A% 6< #	-2.557851D-01	-2.095932D-04	-1.219293D-02
8	A% 7< #	-1.156630D-01	2.640662D-03	-5.167318D-03
9	A% 8< #	-3.913001D-02	-1.095452D-02	-1.770199D-03
10	A% 9< #	-1.104496D-02	-1.241690D-02	1.449783D-03
11	A% 10< #	3.155770D-04	-1.163649D-02	-2.512341D-03
12	A% 11< #	4.618349D-03	-8.905515D-03	1.189078D-03
13	A% 12< #	5.570742D-03	-2.403104D-03	-1.119068D-03
14	A% 13< #	3.998634D-03	9.640485D-04	-3.672920D-06
15	A% 14< #	2.391932D-03	-1.073277D-03	-4.800311D-05
16	A% 15< #	1.066565D-03	9.035295D-04	-4.570646D-05
17	A% 16< #	4.620803D-04	-7.720370D-04	-6.449039D-05
18	A% 17< #	1.888806D-04	5.491901D-04	-2.222354D-05
19	A% 18< #	7.490466D-05	3.549056D-04	-7.601102D-07
20	A% 19< #	2.770003D-05	2.171589D-04	4.637145D-06
21	A% 20< #	9.028973D-06	-1.242279D-04	-4.756121D-06
22	A% 21< #	2.326492D-06	6.100721D-05	3.489008D-06
23	A% 22< #	3.611610D-07	-2.265291D-05	-1.550367D-06
24	A% 23< #	-5.551433D-09	-5.654066D-08	2.348426D-07
25	A% 24< #	2.114204D-11	-2.270011D-08	9.279002D-08

E = 2.50 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.113086D-00	1.333693D-00	3.231241D-00
2	A% 1< #	2.230748D-00	1.782160D-01	2.904257D-02
3	A% 2< #	1.387214D-01	1.422551D-00	1.332304D-00
4	A% 3< #	3.540382D-01	7.624038D-02	7.537402D-04
5	A% 4< #	6.109931D-00	7.168690D-01	6.886017D-02
6	A% 5< #	-6.586489D-01	-3.335221D-02	-3.714930D-03
7	A% 6< #	-3.112999D-01	-3.852956D-04	-1.476198D-02
8	A% 7< #	-1.490685D-01	2.573376D-03	-6.233843D-03
9	A% 8< #	-5.523425D-02	-1.342749D-02	-2.146359D-03
10	A% 9< #	-1.913637D-02	-1.501644D-02	1.745616D-03
11	A% 10< #	-3.733008D-03	-1.383633D-02	-3.031403D-03
12	A% 11< #	2.636801D-03	-1.022279D-02	1.431557D-03
13	A% 12< #	4.740201D-03	-3.339300D-03	-1.339132D-03
14	A% 13< #	3.784494D-03	9.616901D-04	-1.724158D-05
15	A% 14< #	2.432272D-03	-1.114761D-03	-5.931134D-06
16	A% 15< #	1.109947D-03	9.103196D-04	-4.617715D-05
17	A% 16< #	4.831162D-04	-7.786107D-04	-6.514290D-06
18	A% 17< #	1.989836D-04	5.544450D-04	-2.251323D-05
19	A% 18< #	7.945037D-05	-3.580013D-04	-6.905492D-07
20	A% 19< #	2.972582D-05	2.195809D-04	4.685693D-06
21	A% 20< #	9.891531D-06	-1.255842D-04	-4.827470D-06
22	A% 21< #	2.661388D-06	6.164230D-05	3.538677D-06
23	A% 22< #	4.686764D-07	-2.288011D-05	-1.565981D-06
24	A% 23< #	1.763301D-08	-5.712490D-08	2.283113D-07
25	A% 24< #	1.679295D-10	-1.875879D-08	-9.026602D-08

E = 2.52 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.914803D-00	1.293578D-00	3.068251D-00
2	A% 1< #	2.323212D-00	2.010202D-01	2.882201D-02
3	A% 2< #	1.347605D-01	-1.409295D-00	-1.260934D-00
4	A% 3< #	4.513600D-01	7.641474D-02	5.368937D-04
5	A% 4< #	5.609540D-00	-6.828788D-01	-6.320104D-02
6	A% 5< #	-7.453907D-01	-3.578308D-02	-4.208840D-03
7	A% 6< #	-3.569127D-01	-1.426816D-03	-1.685592D-02
8	A% 7< #	-1.764042D-01	2.544102D-03	-7.101628D-03
9	A% 8< #	-6.840915D-02	-1.542601D-02	-2.452226D-03
10	A% 9< #	-2.577333D-02	-1.712338D-02	1.987903D-03
11	A% 10< #	-7.073951D-03	-1.562170D-02	-3.456242D-03
12	A% 11< #	9.940610D-04	-1.129158D-02	1.632462D-03
13	A% 12< #	4.039867D-03	-4.093323D-03	-1.521485D-03
14	A% 13< #	3.605324D-03	9.555897D-04	-2.718171D-05
15	A% 14< #	2.472524D-03	-1.145611D-03	-6.778878D-05
16	A% 15< #	1.154022D-03	9.171000D-04	-4.665802D-05
17	A% 16< #	5.045056D-04	-7.851987D-04	-6.578210D-05
18	A% 17< #	2.092719D-04	5.597212D-04	-2.280493D-05
19	A% 18< #	8.408980D-05	-3.627204D-04	-6.193773D-07
20	A% 19< #	3.179975D-05	2.220194D-04	4.734106D-06
21	A% 20< #	1.077863D-05	-1.269506D-04	-4.899256D-06
22	A% 21< #	3.008359D-06	6.228303D-05	3.588776D-06
23	A% 22< #	5.821599D-07	-2.311030D-05	-1.581799D-06
24	A% 23< #	4.302329D-08	-5.655453D-08	2.218322D-07
25	A% 24< #	1.021245D-09	-1.517826D-08	-8.776136D-08

E = 2.54 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.718946D-00	1.248138D-00	2.876071D-00
2	A% 1< #	2.398529D-00	2.164600D-01	2.838912D-02
3	A% 2< #	1.297667D-01	-1.382731D-00	-1.185787D-00
4	A% 3< #	5.229037D-01	7.579739D-02	3.231931D-04
5	A% 4< #	5.033504D-00	-6.463181D-01	-5.832318D-02
6	A% 5< #	-8.147726D-01	-3.770795D-02	-4.598679D-03
7	A% 6< #	-3.932217D-01	-1.842843D-03	-1.650491D-02
8	A% 7< #	-1.580207D-01	2.549459D-03	-7.783420D-03
9	A% 8< #	-7.881700D-02	-1.698152D-02	-2.692467D-03
10	A% 9< #	-3.102905D-02	-1.877103D-02	2.180002D-03
11	A% 10< #	-9.736927D-03	-1.702102D-02	-3.792812D-03
12	A% 11< #	-3.214111D-04	-1.212936D-02	1.794160D-03
13	A% 12< #	3.469506D-03	-4.677844D-03	-1.667902D-03
14	A% 13< #	3.463738D-03	9.466952D-04	-3.398673D-05
15	A% 14< #	2.499128D-03	1.167030D-03	-7.371355D-05
16	A% 15< #	1.198791D-03	9.238970D-04	-4.713344D-05
17	A% 16< #	5.262489D-04	-7.518000D-04	-6.645479D-05
18	A% 17< #	2.197461D-04	5.650179D-04	-2.309843D-05
19	A% 18< #	8.882319D-05	-3.666623D-04	-5.466357D-07
20	A% 19< #	3.392195D-05	2.244740D-04	4.782401D-06
21	A% 20< #	1.169038D-05	1.283269D-04	-4.971476D-06
22	A% 21< #	3.367468D-06	6.292916D-05	3.639293D-06
23	A% 22< #	7.010492D-07	-2.334308D-05	-1.597845D-06
24	A% 23< #	7.063827D-08	-5.481640D-08	2.154074D-07
25	A% 24< #	2.528852D-09	-1.196385D-08	-8.527657D-08

E = 2.56 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.533212D-00	1.200497D-00	2.693626D-00
2	A% 1< #	2.459070D-00	2.256803D-01	2.778363D-02
3	A% 2< #	1.241790D-01	-1.347162D-00	-1.110551D-00
4	A% 3< #	5.720759D-01	7.469369D-02	1.328768D-04
5	A% 4< #	4.488846D-00	6.091491D-01	-6.361570D-02
6	A% 5< #	-8.687784D-01	-3.922288D-02	-4.895880D-03
7	A% 6< #	-4.211406D-01	-2.123730D-03	-1.974211D-02
8	A% 7< #	-2.145256D-01	2.581359D-03	-8.301612D-03
9	A% 8< #	-8.671437D-02	-1.816517D-02	-2.871747D-03
10	A% 9< #	-3.505655D-02	-2.001544D-02	2.327600D-03
11	A% 10< #	-1.179303D-02	-1.808128D-02	-4.051268D-03
12	A% 11< #	-1.342558D-03	-1.276460D-02	1.520813D-03
13	A% 12< #	3.019006D-03	-5.113285D-03	-1.782246D-03
14	A% 13< #	3.358496D-03	9.362680D-04	-3.814857D-05
15	A% 14< #	2.521513D-03	-1.180780D-03	-7.748780D-05
16	A% 15< #	1.244057D-03	9.308135D-04	-4.757027D-05
17	A% 16< #	5.482580D-04	-7.585049D-04	-6.707321D-05
18	A% 17< #	2.303759D-04	5.703399D-04	-2.339919D-05
19	A% 18< #	9.364809D-05	3.706218D-04	-4.681139D-07
20	A% 19< #	3.609274D-05	2.269456D-04	4.830530D-06
21	A% 20< #	1.262696D-05	-1.297138D-04	-5.044125D-06
22	A% 21< #	3.738818D-06	6.358119D-05	3.690257D-06
23	A% 22< #	8.255981D-07	-2.357891D-05	-1.614146D-06
24	A% 23< #	1.005021D-07	-5.189645D-08	2.090390D-07
25	A% 24< #	4.718685D-09	9.120282D-09	-8.281262D-08

E = 2.58 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.361611D-00	1.152934D-00	2.616955D-00
2	AX 1< #	2.507505D-00	2.299680D-01	2.701678D-02
3	AX 2< #	1.183357D-01	1.306099D-00	1.037729D-00
4	AX 3< #	6.031011D-01	7.319332D-02	4.581596D-05
5	AX 4< #	3.985114D-00	5.727983D-01	4.917416D-02
6	AX 5< #	-9.096307D-01	-4.035081D-02	-5.114728D-03
7	AX 6< #	-4.421486D-01	-2.334152D-03	-2.066734D-02
8	AX 7< #	-2.267544D-01	2.637562D-03	-8.681888D-03
9	AX 8< #	-9.256016D-02	-1.900830D-02	3.005327D-03
10	AX 9< #	-3.802292D-02	-2.092151D-02	2.437740D-03
11	AX 10< #	-1.332050D-02	-1.885654D-02	4.243736D-03
12	AX 11< #	-2.104687D-03	-1.323000D-02	2.017596D-03
13	AX 12< #	-2.676682D-03	-5.424474D-03	1.869575D-03
14	AX 13< #	3.287999D-03	9.241892D-04	4.008057D-05
15	AX 14< #	2.543253D-03	1.187916D-03	7.551631D-05
16	AX 15< #	1.290216D-03	9.376216D-04	4.804740D-05
17	AX 16< #	5.707100D-04	8.061370D-04	6.773283D-05
18	AX 17< #	2.412221D-04	5.756799D-04	-2.369641D-05
19	AX 18< #	-9.856985D-05	3.746109D-04	-3.522495D-07
20	AX 19< #	3.831230D-05	2.294333D-04	4.878566D-06
21	AX 20< #	1.358848D-05	1.311103D-04	5.117185D-06
22	AX 21< #	4.122479D-06	6.423844D-05	3.741624D-06
23	AX 22< #	9.558473D-07	2.381744D-05	1.630672D-06
24	AX 23< #	1.326346D-07	-4.778162D-08	2.027291D-07
25	AX 24< #	7.598355D-09	6.652631D-09	8.037020D-08

E = 2.60 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.206010D-00	1.106974D-00	2.349896D-00
2	AX 1< #	2.546273D-00	2.304065D-01	2.622882D-02
3	AX 2< #	1.124791D-01	1.262235D-00	9.688401D-01
4	AX 3< #	6.195516D-01	7.148402D-02	-2.139770D-04
5	AX 4< #	3.526293D-00	5.381364D-01	4.506608D-02
6	AX 5< #	-9.397146D-01	-4.118458D-02	-5.270405D-03
7	AX 6< #	-4.573974D-01	-2.468254D-03	-2.132329D-02
8	AX 7< #	-2.354508D-01	2.711086D-03	-8.949871D-03
9	AX 8< #	-9.668498D-02	-1.958754D-02	3.699362D-03
10	AX 9< #	-4.011883D-02	-2.155289D-02	2.517190D-03
11	AX 10< #	-1.441233D-02	-1.540162D-02	4.382335D-03
12	AX 11< #	-2.652642D-03	-1.355777D-02	2.089868D-03
13	AX 12< #	-2.425586D-03	-5.634606D-03	1.934555D-03
14	AX 13< #	3.247734D-03	9.113677D-04	4.031657D-05
15	AX 14< #	2.566068D-03	1.190075D-03	8.017163D-05
16	AX 15< #	1.337076D-03	9.444347D-04	4.852312D-05
17	AX 16< #	5.935203D-04	8.117848D-04	6.839398D-05
18	AX 17< #	2.522564D-04	5.810423D-04	-2.399559D-05
19	AX 18< #	1.035869D-04	3.786243D-04	3.147427D-07
20	AX 19< #	4.058098D-05	2.319383D-04	4.926480D-06
21	AX 20< #	1.457614D-05	1.325176D-04	5.190712D-06
22	AX 21< #	4.518556D-06	6.490165D-05	3.793444D-06
23	AX 22< #	1.091846D-06	2.405892D-05	1.647481D-06
24	AX 23< #	1.670581D-07	-4.245811D-08	1.964792D-07
25	AX 24< #	1.117567D-08	4.865654D-09	7.794974D-08

E = 2.70 eV, j = 0			j' = j			j' = j + 2			j' = j + 4		
1	AX 0< #	3.656764D-00	9.212987D-01	1.692715D-00							
2	AX 1< #	2.658552D-00	2.021274D-01	2.198325D-02							
3	AX 2< #	8.686444D-00	-1.050554D-00	-6.980942D-01							
4	AX 3< #	5.789049D-01	6.263730D-02	-8.025828D-04							
5	AX 4< #	1.854529D-00	-3.998534D-01	-2.963982D-02							
6	AX 5< #	-9.927608D-01	-4.278317D-02	-5.482808D-03							
7	AX 6< #	-4.817239D-01	-2.455727D-03	-2.221410D-02							
8	AX 7< #	-2.470996D-01	3.217668D-03	-0.296061D-03							
9	AX 8< #	-1.017170D-01	-2.016154D-02	-3.218632D-03							
10	AX 9< #	-4.264806D-02	-2.228770D-02	2.640843D-03							
11	AX 10< #	-1.583771D-02	-2.008842D-02	-4.594205D-03							
12	AX 11< #	-3.385797D-03	-1.398630D-02	2.228119D-03							
13	AX 12< #	2.063183D-03	-5.796548D-03	-2.057602D-03							
14	AX 13< #	3.364335D-03	8.466258D-04	-2.756934D-05							
15	AX 14< #	2.729306D-03	-1.160882D-03	-7.234926D-05							
16	AX 15< #	1.581935D-03	9.785660D-04	-5.092962D-05							
17	AX 16< #	7.129650D-04	-8.452455D-04	-7.172929D-05							
18	AX 17< #	3.102601D-04	6.081762D-04	-2.552090D-05							
19	AX 18< #	1.301106D-04	-3.998443D-04	-9.706933D-06							
20	AX 19< #	5.266682D-05	2.447123D-04	5.163798D-06							
21	AX 20< #	1.988929D-05	-1.397077D-04	-5.864613D-06							
22	AX 21< #	6.687532D-06	6.830334D-05	4.059032D-06							
23	AX 22< #	1.859511D-06	-2.531026D-05	-1.735079D-06							
24	AX 23< #	3.742115D-07	2.721252D-09	1.662197D-07							
25	AX 24< #	3.977986D-08	-1.097458D-11	-6.621696D-08							

E = 2.80 eV, j = 0			j' = j			j' = j + 2			j' = j + 4		
1	AX 0< #	3.379972D-00	8.074845D-01	1.385362D-00	1.856573D-02						
2	AX 1< #	2.723934D-00	1.594267D-01	5.304249D-01	1.205739D-03						
3	AX 2< #	6.908959D-00	-8.905796D-01	-5.304249D-01	-1.205739D-03						
4	AX 3< #	4.680659D-01	5.578583D-02	-1.205739D-03	-2.060501D-02						
5	AX 4< #	9.077557D-01	-3.132020D-01	-2.060501D-02	-5.336167D-03						
6	AX 5< #	-9.803906D-01	-4.277725D-02	-5.336167D-03	-2.155989D-02						
7	AX 6< #	-4.712984D-01	-1.998819D-03	-2.155989D-02	-9.001933D-03						
8	AX 7< #	-2.374367D-01	3.791289D-03	-9.001933D-03	-3.111795D-03						
9	AX 8< #	-9.617581D-02	-1.927123D-02	-3.111795D-03	2.585728D-03						
10	AX 9< #	-3.968444D-02	-2.148871D-02	2.585728D-03	4.491931D-03						
11	AX 10< #	-1.439903D-02	-1.948641D-02	4.491931D-03	2.215920D-03						
12	AX 11< #	-2.659929D-03	-1.365206D-02	2.215920D-03	-2.044703D-03						
13	AX 12< #	2.407322D-03	-5.399349D-03	-2.044703D-03	-7.776301D-06						
14	AX 13< #	3.763584D-03	7.880702D-04	-7.776301D-06	-5.873692D-05						
15	AX 14< #	2.989024D-03	1.110692D-03	-5.873692D-05	-5.335597D-05						
16	AX 15< #	1.844564D-03	1.012818D-03	-5.335597D-05	-7.510738D-06						
17	AX 16< #	8.414800D-04	-8.790937D-04	-7.510738D-06	-2.709423D-05						
18	AX 17< #	3.730323D-04	6.358582D-04	-2.709423D-05	-5.495710D-07						
19	AX 18< #	1.590516D-04	-4.200628D-04	-5.495710D-07	5.397245D-06						
20	AX 19< #	6.600918D-05	2.579107D-04	5.397245D-06	5.949152D-06						
21	AX 20< #	2.585003D-05	1.471615D-04	5.949152D-06	4.335579D-06						
22	AX 21< #	9.177821D-06	7.125151D-05	4.335579D-06	1.829055D-06						
23	AX 22< #	2.777184D-06	-2.663660D-05	1.829055D-06	1.377852D-07						
24	AX 23< #	6.415903D-07	7.998578D-08	1.377852D-07	-5.515440D-08						
25	AX 24< #	8.690550D-08	-5.676223D-09	-5.515440D-08							

E = 2.90 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< 0	3.250031D-00	7.610162D-01	1.530582D-00
2	AX 1< 0	2.787526D-00	1.191988D-01	1.510327D-02
3	AX 2< 0	5.720222D-00	-7.733549D-01	4.256888D-01
4	AX 3< 0	3.557315D-01	9.109404D-02	-1.446609D-03
5	AX 4< 0	3.442443D-01	-2.591525D-01	-1.516434D-02
6	AX 5< 0	-9.565162D-01	-4.258475D-02	-5.134979D-03
7	AX 6< 0	-4.549270D-01	-1.478841D-03	-2.068942D-02
8	AX 7< 0	-2.240951D-01	4.358150D-03	-8.620999D-03
9	AX 8< 0	-8.867957D-02	-1.821093D-02	-2.974445D-03
10	AX 9< 0	-3.561189D-02	-2.050730D-02	2.503678D-03
11	AX 10< 0	-1.231552D-02	-1.873213D-02	4.342846D-03
12	AX 11< 0	-1.575931D-03	-1.322944D-02	2.177341D-03
13	AX 12< 0	2.975238D-03	-4.939620D-03	-2.008826D-03
14	AX 13< 0	4.276917D-03	7.347040D-04	1.170487D-05
15	AX 14< 0	3.328444D-03	-1.060659D-03	-4.548218D-05
16	AX 15< 0	2.125135D-03	1.047226D-03	-5.581688D-05
17	AX 16< 0	9.791704D-04	9.133463D-04	-7.852685D-05
18	AX 17< 0	4.406365D-04	6.641011D-04	-2.871598D-05
19	AX 18< 0	1.904801D-04	-4.416904D-04	-1.043334D-06
20	AX 19< 0	8.063315D-05	2.715425D-04	5.626370D-06
21	AX 20< 0	3.247281D-05	1.548849D-04	6.344047D-06
22	AX 21< 0	1.199351D-05	7.555097D-05	4.623203D-06
23	AX 22< 0	3.040307D-06	2.804131D-05	1.020718D-06
24	AX 23< 0	9.715395D-07	1.906251D-07	1.114158D-07
25	AX 24< 0	1.536151D-07	2.211316D-08	4.488431D-08

E = 3.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< 0	3.190100D-00	-7.055033D-01	-8.639202D-01
2	AX 1< 0	2.858034D-00	0.391885D-02	1.424461D-02
3	AX 2< 0	4.908079D-00	-6.998733D-01	3.573021D-01
4	AX 3< 0	2.561857D-01	4.800746D-02	-1.658093D-03
5	AX 4< 0	-1.759403D-02	-2.243137D-01	-1.170898D-02
6	AX 5< 0	-9.353446D-01	-4.258057D-02	-4.963459D-03
7	AX 6< 0	-4.400498D-01	-9.760130D-04	-1.993271D-02
8	AX 7< 0	-2.115971D-01	4.907397D-03	-8.289039D-03
9	AX 8< 0	-8.146770D-02	-1.729528D-02	-2.854105D-03
10	AX 9< 0	-3.159600D-02	-1.966973D-02	2.433600D-03
11	AX 10< 0	-1.020530D-02	-1.809687D-02	4.216324D-03
12	AX 11< 0	-4.473250D-04	-1.288022D-02	2.145357D-03
13	AX 12< 0	3.614471D-03	-4.539330D-03	-1.979825D-03
14	AX 13< 0	4.845704D-03	6.836505D-04	2.937976D-05
15	AX 14< 0	3.730605D-03	-1.013598D-03	-3.356396D-05
16	AX 15< 0	2.424313D-03	1.081672D-03	-5.828534D-05
17	AX 16< 0	1.126343D-03	-9.480086D-04	-8.201015D-05
18	AX 17< 0	5.132305D-04	6.929281D-04	-3.039476D-05
19	AX 18< 0	2.244556D-04	-4.639475D-04	-1.578962D-06
20	AX 19< 0	9.658925D-05	2.856189D-04	5.853582D-06
21	AX 20< 0	3.978554D-05	-1.628857D-04	6.752581D-06
22	AX 21< 0	1.516373D-05	7.940851D-05	4.921436D-06
23	AX 22< 0	5.064365D-06	-3.552739D-05	-2.036724D-06
24	AX 23< 0	1.366344D-06	3.366466D-07	8.733895D-08
25	AX 24< 0	2.401154D-07	4.984405D-08	3.546385D-08

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E = 3.50 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.332310D-00	7.053337D-01	5.299525D-01
2	AX 1< #	3.298261D-00	-4.505971D-02	8.748070D-03
3	AX 2< #	3.247608D-00	-5.265818D-01	2.215160D-01
4	AX 3< #	-7.987212D-02	4.354257D-02	-2.678567D-03
5	AX 4< #	-8.107528D-01	-1.629465D-01	-4.873802D-03
6	AX 5< #	-9.009769D-01	-4.570796D-02	-4.641536D-03
7	AX 6< #	-4.028891D-01	-8.578759D-04	-1.836425D-02
8	AX 7< #	-1.708688D-01	7.617775D-03	-7.545545D-03
9	AX 8< #	-5.471677D-02	-1.512643D-02	-2.579117D-03
10	AX 9< #	-1.536793D-02	-1.798617D-02	2.329551D-03
11	AX 10< #	-9.933462D-04	-1.705874D-02	4.011067D-03
12	AX 11< #	4.821099D-03	-1.234816D-02	2.170310D-03
13	AX 12< #	7.211776D-03	-3.489651D-03	2.004359D-03
14	AX 13< #	8.081990D-03	4.117935D-04	9.939872D-05
15	AX 14< #	6.400563D-03	-7.903850D-04	-1.154213D-05
16	AX 15< #	4.196344D-03	1.256232D-03	-7.100584D-05
17	AX 16< #	2.003203D-03	-1.127434D-03	-9.991065D-05
18	AX 17< #	9.506964D-04	8.456191D-04	-3.948696D-05
19	AX 18< #	4.328424D-04	-5.846637D-04	-4.897185D-06
20	AX 19< #	1.965624D-04	3.627781D-04	6.894220D-06
21	AX 20< #	8.689406D-05	2.071667D-04	8.929934D-06
22	AX 21< #	3.631907D-05	1.011285D-04	6.587153D-06
23	AX 22< #	1.379533D-05	-3.824192D-05	2.684892D-06
24	AX 23< #	4.383343D-06	1.635156D-06	8.574052D-09
25	AX 24< #	1.002222D-06	-3.744495D-07	4.039256D-09

E = 4.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.626227D-00	8.119331D-01	4.423708D-01
2	AX 1< #	3.787048D-00	-1.443942D-01	4.524325D-03
3	AX 2< #	-2.964400D-00	-4.785357D-01	1.881464D-01
4	AX 3< #	-2.713635D-01	4.383811D-02	-3.922331D-03
5	AX 4< #	-1.169307D-00	-1.634323D-01	-3.056464D-03
6	AX 5< #	-9.294123D-01	-5.131676D-02	-4.773216D-03
7	AX 6< #	-3.957773D-01	1.820142D-03	-1.874667D-02
8	AX 7< #	-1.469771D-01	1.013450D-02	-7.593416D-03
9	AX 8< #	-3.400240D-02	-1.532851D-02	-2.593107D-03
10	AX 9< #	-1.108793D-03	-1.878134D-02	2.450440D-03
11	AX 10< #	7.895431D-03	-1.812062D-02	4.203022D-03
12	AX 11< #	1.033792D-02	-1.294392D-02	2.377630D-03
13	AX 12< #	1.164711D-02	-3.406000D-03	-2.200764D-03
14	AX 13< #	1.191815D-02	6.237911D-05	1.602188D-04
15	AX 14< #	9.975428D-03	5.175629D-04	5.027042D-05
16	AX 15< #	6.449531D-03	1.439685D-03	-8.413180D-05
17	AX 16< #	3.124666D-03	-1.319124D-03	-1.187500D-04
18	AX 17< #	1.518107D-03	1.013994D-03	-4.980887D-05
19	AX 18< #	7.085804D-04	7.218029D-04	-9.317206D-06
20	AX 19< #	3.321204D-04	4.517793D-04	7.772322D-06
21	AX 20< #	1.527383D-04	2.589849D-04	1.135076D-05
22	AX 21< #	6.702000D-05	1.272115D-04	8.545582D-06
23	AX 22< #	2.709502D-05	4.928601D-05	-3.533139D-06
24	AX 23< #	9.300645D-06	3.984763D-06	1.566351D-08
25	AX 24< #	2.370780D-06	1.046770D-06	5.072253D-09

E = 5.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.265129D-00	1.126635D-00	4.154325D-01
2	AX 1< #	4.744018D-00	-3.433265D-01	-7.288539D-03
3	AX 2< #	3.516746D-00	-4.465980D-01	-1.855992D-01
4	AX 3< #	-4.426966D-01	3.798479D-02	-7.316746D-03
5	AX 4< #	-1.664274D-00	-2.189064D-01	-2.031905D-03
6	AX 5< #	-1.019228D-00	-6.632094D-02	-5.507341D-03
7	AX 6< #	-3.849465D-01	-2.156276D-03	-2.156733D-02
8	AX 7< #	-9.581108D-02	1.542253D-02	-8.431981D-03
9	AX 8< #	1.564698D-02	-1.894530D-02	-2.913483D-03
10	AX 9< #	3.508931D-02	-2.368658D-02	2.927755D-03
11	AX 10< #	3.160583D-02	-2.305219D-02	-5.616989D-03
12	AX 11< #	2.572454D-02	-1.541538D-02	3.015210D-03
13	AX 12< #	-2.455160D-02	-4.671511D-03	-2.814952D-03
14	AX 13< #	2.187347D-02	-9.352244D-04	2.865532D-04
15	AX 14< #	-1.973477D-02	-3.206119D-04	-1.351403D-04
16	AX 15< #	1.248560D-02	1.836134D-03	-1.114839D-04
17	AX 16< #	-6.138465D-03	-1.742946D-03	-1.592292D-04
18	AX 17< #	3.063935D-03	1.400549D-03	-7.428062D-05
19	AX 18< #	1.475183D-03	-1.048266D-03	-2.162661D-05
20	AX 19< #	7.176924D-04	6.675638D-04	8.920935D-06
21	AX 20< #	3.452941D-04	-3.869459D-04	-1.688565D-05
22	AX 21< #	1.597996D-04	1.937231D-04	1.337382D-05
23	AX 22< #	-6.897963D-05	-7.617017D-05	-5.902299D-06
24	AX 23< #	2.555057D-05	1.228799D-05	3.602578D-07
25	AX 24< #	-7.186571D-06	-3.601347D-06	-1.324681D-07

E = 6.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.665996D-00	1.513728D-00	4.444710D-01
2	AX 1< #	5.649672D-00	-5.786282D-01	-2.690540D-02
3	AX 2< #	4.691955D-00	-2.873460D-01	-2.114018D-01
4	AX 3< #	-3.693504D-01	8.027425D-03	-1.198632D-02
5	AX 4< #	-2.034932D-00	-3.191743D-01	-2.340210D-03
6	AX 5< #	-1.072172D-00	-8.445231D-02	-6.449739D-03
7	AX 6< #	-3.301485D-01	-5.444481D-04	-2.548476D-02
8	AX 7< #	-1.124182D-02	2.087182D-02	-9.555793D-03
9	AX 8< #	9.104805D-02	-2.534294D-02	-3.391969D-03
10	AX 9< #	8.954093D-02	-3.147026D-02	3.523455D-03
11	AX 10< #	6.785880D-02	-3.041754D-02	-6.066072D-03
12	AX 11< #	4.969536D-02	-1.878231D-02	3.792578D-03
13	AX 12< #	4.423485D-02	-7.327315D-03	-3.592685D-03
14	AX 13< #	3.563135D-02	-2.333374D-03	4.320892D-04
15	AX 14< #	3.310567D-02	-1.623231D-03	-2.434698D-04
16	AX 15< #	2.068035D-02	2.285983D-03	-1.394928D-04
17	AX 16< #	1.022241D-02	-2.224992D-03	-2.030566D-04
18	AX 17< #	5.181995D-03	1.857772D-03	-1.039342D-04
19	AX 18< #	2.544242D-03	-1.447764D-03	-3.877207D-05
20	AX 19< #	1.266005D-03	9.367329D-04	9.103284D-06
21	AX 20< #	6.250873D-04	-5.495842D-04	-2.329569D-05
22	AX 21< #	2.979320D-04	2.809759D-04	1.946017D-05
23	AX 22< #	-1.331926D-04	-1.204861D-04	-9.261372D-06
24	AX 23< #	5.127005D-05	2.597434D-05	1.238782D-06
25	AX 24< #	-1.510633D-05	-7.982959D-06	-4.627970D-07



E = 7.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.459178D-00	1.944957D-00	4.938555D-01
2	AX 1< #	6.549025D-00	-8.694974D-01	-5.613034D-02
3	AX 2< #	6.202609D-00	-2.392226D-01	-2.516801D-01
4	AX 3< #	-1.104757D-02	-5.882402D-02	-1.793170D-02
5	AX 4< #	-2.279696D-00	4.588046D-01	-3.604177D-03
6	AX 5< #	-1.048904D-00	-1.051905D-01	-7.431575D-03
7	AX 6< #	-2.053486D-01	-3.110994D-03	-2.983856D-02
8	AX 7< #	1.218940D-01	2.633974D-02	-1.071277D-02
9	AX 8< #	2.010051D-01	-3.384782D-02	-3.947868D-03
10	AX 9< #	1.673827D-01	-4.131389D-02	4.159098D-03
11	AX 10< #	1.198333D-01	-3.954218D-02	-7.218973D-03
12	AX 11< #	8.435400D-02	-2.263990D-02	4.638803D-03
13	AX 12< #	7.180466D-02	-1.110798D-02	-4.482820D-03
14	AX 13< #	5.400874D-02	-4.064464D-03	6.000115D-04
15	AX 14< #	5.027748D-02	-3.399266D-03	-3.604431D-04
16	AX 15< #	3.117730D-02	2.807632D-03	-1.674680D-04
17	AX 16< #	1.541984D-02	-2.769946D-03	-2.499708D-04
18	AX 17< #	7.894873D-03	2.388901D-03	-1.388227D-04
19	AX 18< #	3.929759D-03	-1.923221D-03	-6.091768D-05
20	AX 19< #	1.985860D-03	1.261850D-03	8.183671D-06
21	AX 20< #	9.577479D-04	-7.489937D-04	-3.054154D-05
22	AX 21< #	4.846730D-04	3.904631D-04	2.684424D-05
23	AX 22< #	2.215372D-04	-1.741852D-04	-1.369634D-05
24	AX 23< #	8.730625D-05	4.557825D-05	2.737606D-06
25	AX 24< #	2.643763D-05	-1.438940D-05	-1.029199D-06

E = 8.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.046471D-00	-2.402563D-00	-5.542170D-01
2	AX 1< #	7.504860D-00	-1.228205D-00	-9.572376D-02
3	AX 2< #	7.528896D-00	-3.390043D-02	-3.031222D-01
4	AX 3< #	6.837587D-01	-1.703705D-01	-2.515227D-02
5	AX 4< #	-2.367676D-00	-6.366632D-01	-5.965496D-03
6	AX 5< #	-9.294663D-01	-1.283644D-01	-8.350250D-03
7	AX 6< #	4.660675D-03	-8.665384D-03	-3.449809D-02
8	AX 7< #	3.119685D-01	3.185277D-02	-1.181606D-02
9	AX 8< #	3.506558D-01	-4.385672D-02	-4.560852D-03
10	AX 9< #	2.718726D-01	-5.247159D-02	4.796517D-03
11	AX 10< #	1.895928D-01	-4.977540D-02	-8.412571D-03
12	AX 11< #	1.311161D-01	-2.663245D-02	5.513648D-03
13	AX 12< #	1.079903D-01	-1.573860D-02	-5.461566D-03
14	AX 13< #	7.769575D-02	-5.995609D-03	7.909213D-04
15	AX 14< #	7.140761D-02	-5.596631D-03	-5.488893D-04
16	AX 15< #	4.412396D-02	3.422300D-03	-1.945833D-04
17	AX 16< #	2.176928D-02	-3.381601D-03	-2.997371D-04
18	AX 17< #	1.122049D-02	2.596205D-03	-1.790506D-04
19	AX 18< #	5.642241D-03	-2.476487D-03	-8.624792D-05
20	AX 19< #	2.883747D-03	1.644681D-03	6.035481D-06
21	AX 20< #	1.467333D-03	-9.666345D-04	-3.858584D-05
22	AX 21< #	7.225229D-04	5.233317D-04	3.555725D-05
23	AX 22< #	3.354107D-04	-2.410255D-04	-1.927390D-05
24	AX 23< #	1.343151D-04	7.151357D-05	4.923628D-06
25	AX 24< #	4.141859D-05	-2.297382D-05	-1.857342D-06

E = 9.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.639795D-00	2.870618D-00	6.216071D-01
2	AX 1< #	8.571793D-00	-1.661089D-00	-1.457048D-01
3	AX 2< #	9.794426D-00	4.504819D-01	3.643517D-01
4	AX 3< #	1.755499D-00	-3.295659D-01	-3.359788D-02
5	AX 4< #	-2.267542D-00	8.463320D-01	9.638359D-03
6	AX 5< #	-7.022015D-01	-1.537524D-01	-9.075247D-03
7	AX 6< #	-3.106793D-01	-1.584058D-02	-3.930016D-02
8	AX 7< #	5.642779D-01	3.751997D-02	-1.280554D-02
9	AX 8< #	5.433388D-01	-5.461746D-02	-8.221223D-03
10	AX 9< #	4.050953D-01	-6.409770D-02	5.411034D-03
11	AX 10< #	-2.785112D-01	-6.039345D-02	-9.602555D-03
12	AX 11< #	1.909857D-01	-3.035005D-02	6.384317D-03
13	AX 12< #	-1.532710D-01	-2.087781D-02	-6.511744D-03
14	AX 13< #	1.072545D-01	-7.932405D-03	1.003770D-03
15	AX 14< #	9.661295D-02	-8.108304D-03	-7.499245D-04
16	AX 15< #	5.567713D-02	4.155999D-03	-2.199123D-04
17	AX 16< #	-2.930912D-02	-4.064596D-03	-3.519870D-04
18	AX 17< #	1.517523D-02	3.682160D-03	-2.245541D-04
19	AX 18< #	-7.690796D-03	-3.109372D-03	-1.208708D-04
20	AX 19< #	3.565093D-03	2.086786D-03	2.580129D-06
21	AX 20< #	-2.037196D-03	1.263712D-03	-4.739355D-05
22	AX 21< #	1.013449D-03	6.804717D-04	4.561946D-05
23	AX 22< #	4.759391D-04	-3.215930D-04	-2.604780D-05
24	AX 23< #	1.928247D-04	1.041135D-04	7.850674D-06
25	AX 24< #	6.024112D-05	-3.385962D-05	-2.967894D-06

E = 10.00 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	7.248278D-00	3.334703D-00	6.936685D-01
2	AX 1< #	9.786746D-00	-2.168038D-00	-2.054223D-01
3	AX 2< #	1.174124D-01	-1.011389D-00	4.342906D-01
4	AX 3< #	3.223061D-00	-5.355137D-01	-4.307688D-02
5	AX 4< #	-1.952842D-00	-1.085723D-00	1.478913D-02
6	AX 5< #	-3.598484D-01	-1.810028D-01	-9.446254D-03
7	AX 6< #	7.215534D-01	-2.419359D-02	-4.414305D-02
8	AX 7< #	8.826393D-01	4.346923D-02	-1.367221D-02
9	AX 8< #	7.813052D-01	-6.529514D-02	-5.920876D-03
10	AX 9< #	5.685137D-01	-7.524802D-02	5.978677D-03
11	AX 10< #	-3.875181D-01	-7.060168D-02	-1.075139D-02
12	AX 11< #	2.647024D-01	-3.335754D-02	7.222383D-03
13	AX 12< #	-2.079823D-01	-2.613346D-02	-7.618502D-03
14	AX 13< #	1.431476D-01	-9.631766D-03	1.237741D-03
15	AX 14< #	1.259858D-01	-1.078509D-02	9.839077D-04
16	AX 15< #	7.800658D-02	5.039135D-03	-2.424606D-04
17	AX 16< #	-3.808096D-02	-4.824211D-03	-4.065534D-04
18	AX 17< #	1.977632D-02	4.449472D-03	-2.754220D-04
19	AX 18< #	-1.008456D-02	-3.823723D-03	-1.589480D-04
20	AX 19< #	5.235257D-03	2.589722D-03	-2.295695D-06
21	AX 20< #	-2.710339D-03	-1.581350D-03	5.694349D-05
22	AX 21< #	1.359208D-03	8.627010D-04	5.705455D-05
23	AX 22< #	6.440543D-04	4.163869D-04	-3.406246D-05
24	AX 23< #	2.632719D-04	1.436535D-04	1.156328D-05
25	AX 24< #	8.306403D-05	-4.714853D-05	-4.377965D-06

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E = 0.20 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	<del>4.838222D-01</del>	<del>2.122590D-03</del>	<del>1.181090D-05</del>
2	AX 1< #	<del>-2.467074D-01</del>	<del>-1.798485D-03</del>	<del>1.577746D-05</del>
3	AX 2< #	<del>-3.583312D-02</del>	<del>-3.468562D-05</del>	<del>1.572195D-05</del>
4	AX 3< #	<del>-2.678215D-02</del>	<del>-7.055737D-04</del>	<del>8.859903D-06</del>
5	AX 4< #	<del>-1.484919D-02</del>	<del>-1.068465D-03</del>	<del>-1.246273D-06</del>
6	AX 5< #	<del>-1.163222D-02</del>	<del>-1.502174D-03</del>	<del>-1.061302D-05</del>
7	AX 6< #	<del>1.842937D-03</del>	<del>-6.036077D-04</del>	<del>-1.398627D-05</del>
8	AX 7< #	<del>3.953423D-03</del>	<del>-4.368800D-04</del>	<del>-1.710522D-05</del>
9	AX 8< #	<del>3.816147D-03</del>	<del>-3.967428D-04</del>	<del>-1.046756D-05</del>
10	AX 9< #	<del>3.288520D-03</del>	<del>-4.020061D-04</del>	<del>-1.340120D-06</del>
11	AX 10< #	<del>2.872471D-03</del>	<del>-4.384400D-04</del>	<del>6.013119D-06</del>
12	AX 11< #	<del>2.766304D-03</del>	<del>-4.448950D-04</del>	<del>9.788301D-06</del>
13	AX 12< #	<del>2.840541D-03</del>	<del>1.162313D-04</del>	<del>1.307643D-05</del>
14	AX 13< #	<del>-1.189277D-03</del>	<del>2.395100D-04</del>	<del>9.354848D-06</del>
15	AX 14< #	<del>-3.851203D-04</del>	<del>2.052054D-04</del>	<del>3.862556D-06</del>
16	AX 15< #	<del>-9.502276D-05</del>	<del>1.628643D-04</del>	<del>-2.788150D-06</del>
17	AX 16< #	<del>1.310041D-05</del>	<del>1.227301D-04</del>	<del>-5.284050D-06</del>
18	AX 17< #	<del>4.956319D-05</del>	<del>8.290261D-05</del>	<del>-1.042535D-06</del>
19	AX 18< #	<del>5.989206D-05</del>	<del>5.009226D-05</del>	<del>9.743600D-07</del>
20	AX 19< #	<del>5.285923D-05</del>	<del>3.318824D-05</del>	<del>2.099622D-07</del>
21	AX 20< #	<del>4.061144D-05</del>	<del>2.214051D-05</del>	<del>1.499534D-07</del>
22	AX 21< #	<del>2.777329D-05</del>	<del>1.408304D-05</del>	<del>4.278635D-07</del>
23	AX 22< #	<del>1.682244D-05</del>	<del>7.702981D-06</del>	<del>6.077115D-07</del>
24	AX 23< #	<del>8.053066D-06</del>	<del>3.063776D-06</del>	<del>5.755094D-07</del>
25	AX 24< #	<del>3.222911D-06</del>	<del>1.217995D-06</del>	<del>2.201153D-07</del>

E = 0.60 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	<del>1.834791D-00</del>	<del>3.098576D-02</del>	<del>1.607380D-04</del>
2	AX 1< #	<del>-4.729836D-01</del>	<del>-2.058773D-02</del>	<del>2.835890D-05</del>
3	AX 2< #	<del>-6.305342D-01</del>	<del>4.520450D-03</del>	<del>1.005287D-04</del>
4	AX 3< #	<del>-1.781504D-01</del>	<del>-2.026519D-03</del>	<del>2.214490D-05</del>
5	AX 4< #	<del>-6.966899D-02</del>	<del>-3.091332D-03</del>	<del>3.743997D-05</del>
6	AX 5< #	<del>-4.923357D-02</del>	<del>-4.792061D-03</del>	<del>-1.881832D-05</del>
7	AX 6< #	<del>2.281631D-03</del>	<del>-9.518323D-04</del>	<del>5.005139D-05</del>
8	AX 7< #	<del>1.398397D-02</del>	<del>-6.497093D-04</del>	<del>-1.077834D-05</del>
9	AX 8< #	<del>1.272666D-02</del>	<del>-5.764295D-04</del>	<del>-1.044117D-05</del>
10	AX 9< #	<del>1.005009D-02</del>	<del>-6.814196D-04</del>	<del>-4.288375D-06</del>
11	AX 10< #	<del>8.158222D-03</del>	<del>-9.070492D-04</del>	<del>9.403213D-06</del>
12	AX 11< #	<del>7.415922D-03</del>	<del>-1.199487D-03</del>	<del>2.827918D-05</del>
13	AX 12< #	<del>7.050557D-03</del>	<del>6.018060D-04</del>	<del>3.748143D-05</del>
14	AX 13< #	<del>-2.680410D-03</del>	<del>6.458167D-04</del>	<del>2.947889D-05</del>
15	AX 14< #	<del>-1.578499D-03</del>	<del>5.397475D-04</del>	<del>1.139140D-05</del>
16	AX 15< #	<del>-5.226984D-04</del>	<del>4.431552D-04</del>	<del>-1.085660D-05</del>
17	AX 16< #	<del>-1.564724D-04</del>	<del>3.378173D-04</del>	<del>-1.768718D-05</del>
18	AX 17< #	<del>-1.118822D-05</del>	<del>2.284250D-04</del>	<del>-2.907380D-06</del>
19	AX 18< #	<del>5.449072D-05</del>	<del>1.371182D-04</del>	<del>3.913528D-06</del>
20	AX 19< #	<del>6.703858D-05</del>	<del>8.715977D-05</del>	<del>1.930759D-06</del>
21	AX 20< #	<del>5.821904D-05</del>	<del>5.511993D-05</del>	<del>1.158427D-06</del>
22	AX 21< #	<del>4.188695D-05</del>	<del>3.253590D-05</del>	<del>1.252248D-06</del>
23	AX 22< #	<del>2.565695D-05</del>	<del>1.806390D-05</del>	<del>1.291562D-06</del>
24	AX 23< #	<del>1.158306D-05</del>	<del>4.766793D-06</del>	<del>1.081194D-06</del>
25	AX 24< #	<del>4.924250D-06</del>	<del>1.967808D-06</del>	<del>4.113483D-07</del>

E = 1.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.217825D-00	7.163300D-02	2.239772D-03
2	AX 1< #	-4.117595D-02	-6.504367D-02	-1.147770D-04
3	AX 2< #	-1.539977D-00	-2.333917D-02	-1.012318D-03
4	AX 3< #	-4.908148D-01	-3.387029D-03	2.333929D-05
5	AX 4< #	-1.090672D-01	-4.546172D-03	-3.104991D-04
6	AX 5< #	-7.570776D-02	-8.115253D-03	6.133316D-05
7	AX 6< #	-1.125358D-02	-3.920849D-05	-5.376848D-04
8	AX 7< #	3.492653D-02	1.055217D-04	1.756750D-04
9	AX 8< #	2.838425D-02	-3.141021D-04	-6.086738D-05
10	AX 9< #	2.050129D-02	-7.439970D-05	-4.170160D-05
11	AX 10< #	1.515781D-02	-7.179828D-04	-5.651682D-05
12	AX 11< #	1.240178D-02	-1.640283D-03	2.563844D-05
13	AX 12< #	1.058552D-02	-1.481678D-03	-4.096455D-05
14	AX 13< #	-2.058559D-03	9.739551D-04	5.641555D-05
15	AX 14< #	-2.303593D-03	-8.034499D-04	-2.333155D-05
16	AX 15< #	-6.644846D-04	6.972749D-04	-2.059943D-05
17	AX 16< #	-2.147866D-04	-5.404850D-04	-3.157495D-05
18	AX 17< #	-4.186973D-05	3.700090D-04	-5.084944D-06
19	AX 18< #	4.128653D-05	-2.249298D-04	7.022123D-06
20	AX 19< #	6.182612D-05	1.400418D-04	4.476955D-06
21	AX 20< #	5.622311D-05	-8.537131D-05	-2.795229D-06
22	AX 21< #	4.041253D-05	4.743495D-05	2.234750D-06
23	AX 22< #	2.392680D-05	-2.134353D-05	-1.749043D-06
24	AX 23< #	9.281744D-06	4.272616D-06	1.218498D-06
25	AX 24< #	4.298785D-06	-1.849207D-06	-4.600531D-07

E = 1.40 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.622131D-00	-1.412565D-01	-1.986222D-02
2	AX 1< #	7.591418D-01	-1.473512D-01	-8.040559D-04
3	AX 2< #	-2.718247D-00	-7.694547D-02	-8.456951D-03
4	AX 3< #	-1.029673D-00	-5.171173D-03	1.937293D-05
5	AX 4< #	-5.280054D-02	-2.408932D-03	-1.496084D-03
6	AX 5< #	-2.717959D-02	-1.028796D-02	4.221028D-04
7	AX 6< #	6.181419D-02	-3.105231D-03	-2.271657D-03
8	AX 7< #	8.675400D-02	2.114883D-03	8.839260D-04
9	AX 8< #	6.120913D-02	-3.128779D-03	-3.215278D-04
10	AX 9< #	4.032380D-02	2.133041D-03	-2.080274D-04
11	AX 10< #	2.695648D-02	-6.617795D-04	-3.544450D-04
12	AX 11< #	1.943260D-02	-1.353993D-03	-6.756979D-05
13	AX 12< #	1.483974D-02	-2.964124D-03	-3.995165D-05
14	AX 13< #	3.790234D-04	1.217666D-03	9.721926D-05
15	AX 14< #	-2.182906D-03	-9.875983D-04	-4.570640D-05
16	AX 15< #	-2.721120D-04	9.381401D-04	-3.133164D-05
17	AX 16< #	-1.399949D-05	-7.407741D-04	-4.658201D-05
18	AX 17< #	5.044300D-05	5.158463D-04	-7.844389D-06
19	AX 18< #	8.047550D-05	-3.204271D-04	-9.844165D-06
20	AX 19< #	7.619971D-05	1.977193D-04	7.506188D-06
21	AX 20< #	5.932946D-05	-1.175757D-04	-4.943177D-06
22	AX 21< #	3.834515D-05	6.233020D-05	3.447466D-06
23	AX 22< #	2.013865D-05	-2.592348D-05	-2.158170D-06
24	AX 23< #	5.284862D-06	2.980374D-06	1.172862D-06
25	AX 24< #	2.864374D-06	-1.385889D-06	-4.381391D-07

E = 1.80 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.371973D-00	3.505382D-01	1.617558D-01
2	AX 1< #	1.510234D-00	-3.068430D-01	-2.799797D-03
3	AX 2< #	-3.930010D-00	-2.214045D-01	-6.748495D-02
4	AX 3< #	-2.024862D-00	-8.803941D-03	1.509931D-04
5	AX 4< #	1.290830D-00	-2.827210D-02	7.233422D-03
6	AX 5< #	2.923762D-01	-7.696286D-03	1.678594D-03
7	AX 6< #	2.586454D-01	1.094190D-02	7.882629D-03
8	AX 7< #	2.329150D-01	6.311684D-03	3.195558D-03
9	AX 8< #	1.441176D-01	1.078411D-02	1.145754D-03
10	AX 9< #	8.725360D-02	8.438140D-03	-8.114770D-04
11	AX 10< #	5.318840D-02	5.118990D-03	-1.414879D-03
12	AX 11< #	3.355682D-02	8.939530D-04	-4.921550D-04
13	AX 12< #	2.266302D-02	5.867770D-03	-4.229184D-04
14	AX 13< #	4.791196D-03	1.379339D-03	1.687966D-04
15	AX 14< #	-1.052582D-03	1.047454D-03	9.234808D-05
16	AX 15< #	7.771606D-04	1.172183D-03	-4.273494D-05
17	AX 16< #	5.190098D-04	9.437751D-04	-6.252810D-05
18	AX 17< #	3.122651D-04	6.701430D-04	-1.130452D-05
19	AX 18< #	2.022978D-04	4.270807D-04	-1.215824D-05
20	AX 19< #	1.296918D-04	2.631316D-04	1.084399D-05
21	AX 20< #	7.992470D-05	1.540746D-04	7.540579D-06
22	AX 21< #	4.321003D-05	7.900726D-05	4.928716D-06
23	AX 22< #	1.856969D-05	3.100728D-05	-2.612290D-06
24	AX 23< #	1.666290D-06	1.593195D-06	1.038487D-06
25	AX 24< #	1.379502D-06	8.395464D-07	3.815400D-07

E = 2.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	7.955496D-00	7.706811D-01	5.224601D-01
2	AX 1< #	1.643796D-00	-4.479737D-01	-3.997172D-03
3	AX 2< #	-3.468245D-00	-3.211263D-01	-2.167732D-01
4	AX 3< #	-2.918091D-00	-1.053426D-02	5.319202D-04
5	AX 4< #	3.781492D-00	-1.124170D-01	1.851460D-02
6	AX 5< #	7.486688D-01	-1.131616D-03	3.245934D-03
7	AX 6< #	5.153123D-01	1.946619D-02	1.473865D-02
8	AX 7< #	4.042800D-01	1.020169D-02	6.010789D-03
9	AX 8< #	2.370459D-01	1.938361D-02	-2.134865D-03
10	AX 9< #	1.385706D-01	1.566702D-02	-1.585962D-03
11	AX 10< #	8.139298D-02	1.042234D-02	-2.761028D-03
12	AX 11< #	4.830892D-02	3.955704D-03	-1.076539D-03
13	AX 12< #	3.052282D-02	8.688212D-03	-9.508544D-04
14	AX 13< #	8.306292D-03	1.444416D-03	2.298587D-04
15	AX 14< #	-8.909079D-04	9.959655D-04	-1.359629D-04
16	AX 15< #	1.574070D-03	1.287982D-03	-4.862650D-05
17	AX 16< #	5.252345D-04	1.047334D-03	-7.081830D-05
18	AX 17< #	5.163518D-04	7.513286D-04	-1.332266D-05
19	AX 18< #	3.004396D-04	4.853064D-04	-1.307887D-05
20	AX 19< #	1.751398D-04	2.993440D-04	1.259293D-05
21	AX 20< #	9.933746D-05	1.744182D-04	6.955470D-06
22	AX 21< #	4.979480D-05	8.838117D-05	5.777767D-06
23	AX 22< #	1.949988D-05	3.398561D-05	-2.876107D-06
24	AX 23< #	4.278614D-07	1.009136D-06	9.573150D-07
25	AX 24< #	7.745836D-07	5.892165D-07	3.476447D-07

E = 2.10 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	<del>5.399664D-00</del>	<del>1.310215D-00</del>	<del>1.005528D-00</del>
2	AX 1< #	1.606059D 00	-5.366437D-01	-3.529000D-03
3	AX 2< #	<del>1.556274D-00</del>	<del>4.923363D-01</del>	<del>4.163670D-01</del>
4	AX 3< #	-3.515120D 00	-8.391429D-03	9.849031D-04
5	AX 4< #	<del>6.644672D-00</del>	<del>2.283497D-01</del>	<del>3.129582D-02</del>
6	AX 5< #	1.117582D 00	4.513563D-03	4.452615D-03
7	AX 6< #	<del>7.180954D-01</del>	<del>2.577102D-02</del>	<del>1.999059D-02</del>
8	AX 7< #	5.356552D-01	1.286985D-02	8.162976D-03
9	AX 8< #	<del>3.073020D-01</del>	<del>2.577217D-02</del>	<del>2.883795D-03</del>
10	AX 9< #	1.773207D-01	2.108092D-02	-2.194629D-03
11	AX 10< #	<del>1.027333D-01</del>	<del>1.442871D-02</del>	<del>3.812517D-03</del>
12	AX 11< #	5.944718D-02	6.324880D-03	-1.549458D-03
13	AX 12< #	<del>3.645155D-02</del>	<del>1.068893D-02</del>	<del>1.377363D-03</del>
14	AX 13< #	1.072324D-02	1.487118D-03	2.685735D-04
15	AX 14< #	<del>7.586182D-04</del>	<del>9.460425D-04</del>	<del>1.644930D-04</del>
16	AX 15< #	2.043841D-03	1.345664D-03	-5.159740D-05
17	AX 16< #	<del>1.165200D-03</del>	<del>1.099708D-03</del>	<del>7.501647D-05</del>
18	AX 17< #	6.379897D-04	7.930285D-04	-1.442332D-05
19	AX 18< #	<del>3.557076D-04</del>	<del>5.157316D-04</del>	<del>1.346240D-05</del>
20	AX 19< #	2.030875D-04	3.184078D-04	1.348275D-05
21	AX 20< #	<del>1.116690D-04</del>	<del>1.851776D-04</del>	<del>9.760252D-06</del>
22	AX 21< #	5.433524D-05	9.337626D-05	6.230452D-06
23	AX 22< #	<del>2.051261D-05</del>	<del>3.561706D-05</del>	<del>3.018112D-06</del>
24	AX 23< #	9.000771D-09	7.640336D-07	9.159129D-07
25	AX 24< #	5.276062D-07	4.770438D-07	3.302955D-07

E = 2.20 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	<del>1.187472D-01</del>	<del>2.479729D-00</del>	<del>2.028465D-00</del>
2	AX 1< #	1.612077D 00	-6.038029D-01	4.298854D-04
3	AX 2< #	<del>4.076406D-00</del>	<del>5.852288D-01</del>	<del>8.373949D-01</del>
4	AX 3< #	-4.066239D 00	3.207681D-03	1.767032D-03
5	AX 4< #	<del>1.194344D-01</del>	<del>4.784232D-01</del>	<del>5.773340D-02</del>
6	AX 5< #	1.521983D 00	1.024626D-02	5.706071D-03
7	AX 6< #	<del>9.381421D-01</del>	<del>3.240836D-02</del>	<del>2.551515D-02</del>
8	AX 7< #	6.774952D-01	1.553568D-02	1.039774D-02
9	AX 8< #	<del>3.837686D-01</del>	<del>3.232894D-02</del>	<del>3.658183D-03</del>
10	AX 9< #	2.198970D-01	2.663308D-02	-2.848575D-03
11	AX 10< #	<del>1.265489D-01</del>	<del>1.852250D-02</del>	<del>4.934379D-03</del>
12	AX 11< #	7.202350D-02	8.718223D-03	-2.074182D-03
13	AX 12< #	<del>4.338629D-02</del>	<del>1.270518D-02</del>	<del>1.847659D-03</del>
14	AX 13< #	1.372411D-02	1.557483D-03	3.013440D-04
15	AX 14< #	<del>1.950198D-03</del>	<del>9.124720D-04</del>	<del>1.883935D-04</del>
16	AX 15< #	2.563055D-03	1.403399D-03	-5.460766D-05
17	AX 16< #	<del>1.430661D-03</del>	<del>1.152598D-03</del>	<del>7.928272D-05</del>
18	AX 17< #	7.731290D-04	8.355282D-04	-1.555806D-05
19	AX 18< #	<del>4.259790D-04</del>	<del>5.470728D-04</del>	<del>1.381291D-05</del>
20	AX 19< #	2.346959D-04	3.381349D-04	1.438166D-05
21	AX 20< #	<del>1.258630D-04</del>	<del>1.963487D-04</del>	<del>1.054954D-05</del>
22	AX 21< #	5.977512D-05	5.859076D-05	6.702147D-06
23	AX 22< #	<del>2.192914D-05</del>	<del>3.735378D-05</del>	<del>2.169550D-06</del>
24	AX 23< #	-2.574411D-07	5.564989D-07	8.747633D-07
25	AX 24< #	<del>3.244384D-07</del>	<del>3.758861D-07</del>	<del>3.130101D-07</del>

ORIGINAL PAGE IS  
OF POOR QUALITY

E = 2.30 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.579350D-01	4.723735D-00	2.986536D-00
2	AX 1< #	2.243795D-00	-5.118231D-01	1.395315D-02
3	AX 2< #	1.778599D-01	4.742627D-01	1.633884D-00
4	AX 3< #	-3.815349D-00	4.076507D-02	2.869347D-03
5	AX 4< #	2.035100D-01	5.640024D-01	1.016760D-01
6	AX 5< #	1.483973D-00	6.431738D-03	5.389006D-03
7	AX 6< #	9.193929D-01	3.179453D-02	2.443845D-02
8	AX 7< #	6.729705D-01	1.529790D-02	9.871951D-03
9	AX 8< #	3.859908D-01	3.082347D-02	3.463141D-03
10	AX 9< #	2.238678D-01	2.525546D-02	-2.761970D-03
11	AX 10< #	1.304655D-01	1.732385D-02	-4.760984D-03
12	AX 11< #	7.484560D-02	7.735088D-03	-2.051854D-03
13	AX 12< #	4.619774D-02	1.232730D-02	-1.816172D-03
14	AX 13< #	1.652542D-02	1.674449D-03	2.765007D-04
15	AX 14< #	4.065857D-03	1.029193D-03	1.664085D-04
16	AX 15< #	3.132181D-03	1.461169D-03	-5.763844D-05
17	AX 16< #	1.721972D-03	1.206009D-03	-8.359714D-05
18	AX 17< #	9.220602D-04	8.788462D-04	-1.674739D-05
19	AX 18< #	4.954898D-04	5.793523D-04	1.411529D-05
20	AX 19< #	2.700891D-04	3.585495D-04	1.528770D-05
21	AX 20< #	1.419989D-04	2.079507D-04	1.136287D-05
22	AX 21< #	6.616380D-05	1.040403D-04	7.193443D-06
23	AX 22< #	2.377708D-05	3.920482D-05	3.330059D-06
24	AX 23< #	-3.523309D-07	3.909145D-07	8.343736D-07
25	AX 24< #	1.697561D-07	2.873533D-07	2.959979D-07

E = 2.32 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.663190D-01	5.275855D-00	4.421673D-00
2	AX 1< #	2.550906D-00	-4.517408D-01	1.834732D-02
3	AX 2< #	2.163294D-01	3.949337D-01	1.825662D-00
4	AX 3< #	-3.530470D-00	5.280837D-02	3.030468D-03
5	AX 4< #	2.206727D-01	1.083367D-00	1.113320D-01
6	AX 5< #	1.323035D-00	2.615993D-03	4.812353D-03
7	AX 6< #	8.336262D-01	2.926384D-02	2.203919D-02
8	AX 7< #	6.219062D-01	1.434045D-02	8.864027D-03
9	AX 8< #	3.607236D-01	2.791740D-02	3.109209D-03
10	AX 9< #	2.110479D-01	2.273994D-02	-2.493072D-03
11	AX 10< #	1.240373D-01	1.538004D-02	-4.290124D-03
12	AX 11< #	7.178870D-02	6.464734D-03	-1.854331D-03
13	AX 12< #	4.508159D-02	1.149061D-02	-1.634101D-03
14	AX 13< #	1.680852D-02	1.700720D-03	2.558245D-04
15	AX 14< #	4.631065D-03	1.092729D-03	1.494170D-04
16	AX 15< #	3.252059D-03	1.472726D-03	-5.824939D-05
17	AX 16< #	1.783378D-03	1.216757D-03	-8.446524D-05
18	AX 17< #	9.535245D-04	8.876088D-04	-1.699159D-05
19	AX 18< #	5.150755D-04	5.859215D-04	1.417007D-05
20	AX 19< #	2.776315D-04	3.627157D-04	1.546974D-05
21	AX 20< #	1.454652D-04	2.103235D-04	1.152841D-05
22	AX 21< #	6.755914D-05	1.051590D-04	7.294045D-06
23	AX 22< #	2.420056D-05	3.958921D-05	3.363272D-06
24	AX 23< #	-3.575629D-07	3.631955D-07	8.264323D-07
25	AX 24< #	1.450295D-07	2.712978D-07	2.926478D-07

ORIGINAL PAGE IS  
OF POOR QUALITY

E = 2.34 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	1.739776D-01	5.817537D-00	4.872378D-00
2	AX 1< #	2.936983D-00	-3.746712D-01	2.312630D-02
3	AX 2< #	2.563641D-01	2.910970D-01	2.011415D-00
4	AX 3< #	-3.142383D-00	6.604478D-02	3.141349D-03
5	AX 4< #	2.356925D-01	1.200292D-00	1.202214D-01
6	AX 5< #	1.088364D-00	-2.612409D-03	3.994747D-03
7	AX 6< #	7.085931D-01	2.559895D-02	1.861344D-02
8	AX 7< #	5.468616D-01	1.296750D-02	7.434246D-03
9	AX 8< #	3.231075D-01	2.380023D-02	2.608466D-03
10	AX 9< #	1.916364D-01	1.918242D-02	-2.104373D-03
11	AX 10< #	1.140753D-01	1.264524D-02	-3.612282D-03
12	AX 11< #	6.693913D-02	4.699504D-03	-1.563057D-03
13	AX 12< #	4.310513D-02	1.030285D-02	-1.367130D-03
14	AX 13< #	1.691430D-02	1.725196D-03	2.285253D-04
15	AX 14< #	5.227622D-03	1.172801D-03	1.271256D-04
16	AX 15< #	3.373971D-03	1.484289D-03	-5.885649D-05
17	AX 16< #	1.845845D-03	1.227527D-03	-6.533331D-05
18	AX 17< #	9.855548D-04	8.964042D-04	-1.723773D-05
19	AX 18< #	5.309596D-04	5.925281D-04	1.422289D-05
20	AX 19< #	2.853306D-04	3.669092D-04	1.565202D-05
21	AX 20< #	1.490127D-04	2.127139D-04	1.169491D-05
22	AX 21< #	6.899425D-05	1.062871D-04	7.395416D-06
23	AX 22< #	2.464229D-05	3.957811D-05	3.366834D-06
24	AX 23< #	-3.496041D-07	3.373378D-07	8.185386D-07
25	AX 24< #	1.224517D-07	2.558196D-07	2.893182D-07

E = 2.36 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	1.803404D-01	6.314350D-00	5.278553D-00
2	AX 1< #	3.398176D-00	-2.821670D-01	2.812402D-02
3	AX 2< #	2.958368D-01	1.642627D-01	2.178758D-00
4	AX 3< #	-2.655674D-00	7.992188D-02	3.176333D-03
5	AX 4< #	2.472323D-01	1.307256D-00	1.276482D-01
6	AX 5< #	7.793050D-01	-9.234574D-03	2.938556D-03
7	AX 6< #	5.440473D-01	2.080317D-02	1.416476D-02
8	AX 7< #	4.477081D-01	1.118836D-02	5.585475D-03
9	AX 8< #	2.730452D-01	1.848495D-02	1.962316D-03
10	AX 9< #	1.655514D-01	1.459416D-02	-1.595448D-03
11	AX 10< #	1.005119D-01	5.128687D-03	-2.727194D-03
12	AX 11< #	6.025250D-02	2.447177D-03	-1.176756D-03
13	AX 12< #	4.023121D-02	8.769645D-03	-1.014194D-03
14	AX 13< #	1.681641D-02	1.746006D-03	1.951121D-04
15	AX 14< #	5.835532D-03	1.267908D-03	9.990881D-05
16	AX 15< #	3.497911D-03	1.495856D-03	-5.946380D-05
17	AX 16< #	1.909370D-03	1.238323D-03	-8.620263D-05
18	AX 17< #	1.018151D-03	9.052340D-04	-1.748586D-05
19	AX 18< #	5.471427D-04	5.951738D-04	1.427392D-05
20	AX 19< #	2.931874D-04	3.711315D-04	1.583464D-05
21	AX 20< #	1.526414D-04	2.151218D-04	1.186234D-05
22	AX 21< #	7.046942D-05	1.074247D-04	7.497549D-06
23	AX 22< #	2.510260D-05	4.037191D-05	3.430781D-06
24	AX 23< #	-3.343410D-07	3.133917D-07	8.107072D-07
25	AX 24< #	1.020558D-07	2.409301D-07	2.860125D-07



E = 2.38 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.848717D-01	6.729888D-00	5.609049D-00
2	AX 1< #	3.920502D-00	-1.780683D-01	3.306107D-02
3	AX 2< #	3.322353D-01	1.909718D-02	2.318853D-00
4	AX 3< #	-2.068170D-00	5.368772D-02	3.121081D-03
5	AX 4< #	2.540917D-01	1.356325D-00	1.329532D-01
6	AX 5< #	4.042637D-01	-1.705517D-02	1.675353D-03
7	AX 6< #	3.445781D-01	1.502055D-02	8.824606D-03
8	AX 7< #	3.272738D-01	5.064622D-03	3.373402D-03
9	AX 8< #	2.119594D-01	1.213584D-02	1.190447D-03
10	AX 9< #	1.335200D-01	5.115941D-03	-9.806117D-04
11	AX 10< #	8.371058D-02	4.938164D-03	-1.660162D-03
12	AX 11< #	5.190226D-02	-2.223351D-04	-7.055768D-04
13	AX 12< #	3.652581D-02	6.940384D-03	-5.846781D-04
14	AX 13< #	1.650849D-02	1.761279D-03	1.569427D-04
15	AX 14< #	6.429383D-03	1.374333D-03	6.884541D-05
16	AX 15< #	3.623890D-03	1.507425D-03	-6.007116D-05
17	AX 16< #	1.973961D-03	1.249143D-03	-8.707304D-05
18	AX 17< #	1.051318D-03	5.140980D-04	-1.773624D-05
19	AX 18< #	5.636271D-04	6.058580D-04	1.432292D-05
20	AX 19< #	3.012031D-04	3.753824D-04	1.601749D-05
21	AX 20< #	1.563525D-04	2.175477D-04	1.203074D-05
22	AX 21< #	7.198552D-05	1.085726D-04	7.600503D-06
23	AX 22< #	2.558173D-05	4.077066D-05	3.465104D-06
24	AX 23< #	-3.116964D-07	2.913722D-07	8.029304D-07
25	AX 24< #	8.387444D-08	2.266408D-07	2.827303D-07

E = 2.40 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.871893D-01	7.032831D-00	5.837835D-00
2	AX 1< #	4.480440D-00	-6.817847D-02	3.764000D-02
3	AX 2< #	3.630647D-01	-1.368331D-01	2.408944D-00
4	AX 3< #	-1.470223D-00	1.064944D-01	2.970851D-03
5	AX 4< #	2.554853D-01	1.460692D-00	1.356502D-01
6	AX 5< #	-1.894555D-02	-2.570393D-02	2.666112D-04
7	AX 6< #	1.199089D-01	8.536902D-03	2.848986D-03
8	AX 7< #	1.914799D-01	6.709998D-03	9.068432D-04
9	AX 8< #	1.427525D-01	5.066435D-03	3.298056D-04
10	AX 9< #	5.707873D-02	3.018048D-03	-2.895208D-04
11	AX 10< #	6.447245D-02	2.798982D-04	-4.626690D-04
12	AX 11< #	4.228319D-02	-3.178004D-03	-1.715788D-04
13	AX 12< #	3.216320D-02	4.907668D-03	-9.921648D-05
14	AX 13< #	1.600736D-02	1.769426D-03	1.159807D-04
15	AX 14< #	6.981313D-03	1.486450D-03	3.564283D-05
16	AX 15< #	3.751394D-03	1.519090D-03	-6.058190D-05
17	AX 16< #	2.039407D-03	1.260064D-03	-8.785527D-05
18	AX 17< #	1.084986D-03	5.229716D-04	-1.800722D-05
19	AX 18< #	5.804170D-04	6.125597D-04	1.435580D-05
20	AX 19< #	3.093792D-04	3.796624D-04	1.620050D-05
21	AX 20< #	1.601469D-04	2.189921D-04	1.220005D-05
22	AX 21< #	7.354278D-05	1.097306D-04	7.704265D-06
23	AX 22< #	2.608012D-05	4.117481D-05	3.499832D-06
24	AX 23< #	-2.815817D-07	2.713047D-07	7.952070D-07
25	AX 24< #	6.794004D-08	2.129526D-07	2.764738D-07

E = 2.42 eV, j = 1		j' = j	j' = j + 2	j' = j + 3
1	AX 0< #	1.8716300 01	7.2039030 00	5.9498640 00
2	AX 1< #	5.0484310 00	4.0581090 02	4.1537430 02
3	AX 2< #	3.8639300 01	-2.9408970 01	2.4549370 00
4	AX 3< #	-8.4014430 01	1.1758640 01	2.7303690 03
5	AX 4< #	2.5125980 01	1.4962010 00	1.3564850 01
6	AX 5< #	-4.6562960 01	-3.4684110 02	-1.2032810 03
7	AX 6< #	-1.1698320 01	1.7527310 03	-3.3904800 03
8	AX 7< #	4.8340930 02	4.2720660 03	-1.6686280 03
9	AX 8< #	6.9802140 02	-2.2964700 03	-5.6492180 04
10	AX 9< #	5.8491990 02	-3.3348590 03	4.3759330 04
11	AX 10< #	4.3994760 02	-4.5688380 03	7.9488110 04
12	AX 11< #	3.1999240 02	-6.2447610 03	3.9403130 04
13	AX 12< #	2.7422910 02	2.7960020 03	4.1479200 04
14	AX 13< #	1.5361420 02	1.7699600 03	7.5188940 05
15	AX 14< #	7.4705300 03	1.5974770 03	2.3660170 06
16	AX 15< #	3.8814480 03	1.5306620 03	-6.1189990 05
17	AX 16< #	2.1061250 03	1.2709320 03	-8.8726790 05
18	AX 17< #	1.1192940 03	9.3190320 04	-1.8262130 05
19	AX 18< #	5.9750520 04	6.1932100 04	1.4400700 05
20	AX 19< #	3.1771490 04	3.8397020 04	1.6383710 05
21	AX 20< #	1.6402400 04	2.2245390 04	1.2370250 05
22	AX 21< #	7.5141220 05	1.1089840 04	7.8088030 06
23	AX 22< #	2.6597690 05	4.1584030 05	3.5349550 06
24	AX 23< #	-2.4389350 07	2.5323590 07	7.8755340 07
25	AX 24< #	5.4284440 08	1.9990670 07	2.7524460 07

E = 2.44 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.8493990 01	7.2399830 00	5.9443530 00
2	AX 1< #	5.5549150 00	1.4172110 01	4.4596180 02
3	AX 2< #	4.0119370 01	-4.4351710 01	2.4524330 00
4	AX 3< #	-2.3651960 01	1.2640070 01	2.4176770 03
5	AX 4< #	2.4192290 01	1.5022260 00	1.3279070 01
6	AX 5< #	-9.0901720 01	-4.3478950 02	-2.6479380 03
7	AX 6< #	-3.5170730 01	-4.9275900 03	-9.5320830 03
8	AX 7< #	-9.3374790 02	1.9044680 03	-4.1980170 03
9	AX 8< #	-2.5341870 03	-9.5119730 03	-1.4426310 03
10	AX 9< #	2.0116910 02	-9.5623520 03	1.1568870 03
11	AX 10< #	2.3536860 02	-9.3190590 03	2.0370850 03
12	AX 11< #	2.1685980 02	-9.2410180 03	9.5756750 04
13	AX 12< #	2.2607330 02	7.3361030 04	9.2610330 04
14	AX 13< #	1.4628650 02	1.7628770 03	3.6870040 05
15	AX 14< #	7.8816440 03	1.7010320 03	-2.8953230 05
16	AX 15< #	4.0135510 03	1.5422420 03	-6.1794830 05
17	AX 16< #	2.1739090 03	1.2818240 03	-8.9599310 05
18	AX 17< #	1.1541760 03	9.4087020 04	-1.8519360 05
19	AX 18< #	6.1489780 04	6.2612200 04	1.4443460 05
20	AX 19< #	3.2621130 04	3.8830680 04	1.6567010 05
21	AX 20< #	1.6798480 04	2.2493430 04	1.2541360 05
22	AX 21< #	7.6781430 05	1.1207690 04	7.9141710 06
23	AX 22< #	2.7134440 05	4.1598160 05	3.5704820 06
24	AX 23< #	-1.9854090 07	2.3720140 07	7.7997870 07
25	AX 24< #	4.2939150 08	1.8748380 07	2.7304410 07

E = 2.46 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.8090040 01	7.1533350 00	8.8337050 00
2	A% 1< #	6.0955380 00	2.3016590 01	4.6719070 02
3	A% 2< #	4.0754270 01	-5.7761940 01	2.4065920 00
4	A% 3< #	3.0872020 01	1.3270360 01	2.0551170 03
5	A% 4< #	2.2850790 01	1.4814840 00	1.2780040 01
6	A% 5< #	-1.3252820 00	-5.1640440 02	-3.9900930 03
7	A% 6< #	-5.7159800 01	-1.1141520 02	-1.5248360 02
8	A% 7< #	-2.2893370 01	-2.6131510 04	-6.5468800 03
9	A% 8< #	-7.0266280 02	-1.6194780 02	-2.2565650 03
10	A% 9< #	-1.5907200 02	-1.5333000 02	1.8298890 03
11	A% 10< #	4.2520060 03	-1.3719260 02	3.1975210 03
12	A% 11< #	1.1931120 02	-1.2010070 02	1.4885920 03
13	A% 12< #	1.8003160 02	-1.1682810 03	1.4072740 03
14	A% 13< #	1.3873580 02	1.7491930 03	3.0393670 06
15	A% 14< #	6.2108130 03	1.7921360 03	-5.6714460 05
16	A% 15< #	4.1477100 03	1.5538240 03	-6.2400990 05
17	A% 16< #	2.2427620 03	1.2927400 03	-9.0473920 05
18	A% 17< #	1.1896340 03	9.4987300 04	-1.8778890 05
19	A% 18< #	6.3259610 04	6.3296310 04	1.4484200 05
20	A% 19< #	3.3486990 04	3.9267330 04	1.6750580 05
21	A% 20< #	1.7203030 04	2.2743370 04	1.2713490 05
22	A% 21< #	7.8463600 05	1.1326560 04	8.0203450 06
23	A% 22< #	2.7690860 05	4.2417680 05	3.6064230 06
24	A% 23< #	-1.4543880 07	2.2323010 07	7.7248680 07
25	A% 24< #	3.3535280 08	1.7870480 07	2.6587380 07

E = 2.48 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.7555220 01	6.9670740 00	8.6393100 00
2	A% 1< #	6.5347070 00	3.0300380 01	4.7933850 02
3	A% 2< #	4.0635730 01	-6.9174520 01	2.3262470 00
4	A% 3< #	7.7495360 01	1.3655780 01	1.6670680 03
5	A% 4< #	2.1230580 01	1.4390900 00	1.2116770 01
6	A% 5< #	-1.6973200 00	-5.8860130 02	-5.1763200 03
7	A% 6< #	-7.6760690 01	-1.6634510 02	-2.0309450 02
8	A% 7< #	-3.4382030 01	-2.1365660 03	-8.6214400 03
9	A% 8< #	-1.3053550 01	-2.2078410 02	-2.9743500 03
10	A% 9< #	-4.8035160 02	-2.0417370 02	2.4292010 03
11	A% 10< #	-1.3017060 02	-1.7595900 02	4.2291540 03
12	A% 11< #	3.1684300 03	-1.4444490 02	1.9650810 03
13	A% 12< #	1.3828500 02	-2.8334970 03	1.8384580 03
14	A% 13< #	1.3152760 02	1.7303900 03	-2.5100630 05
15	A% 14< #	8.4637300 03	1.8678950 03	-7.9942250 05
16	A% 15< #	4.2839310 03	1.5654110 03	-6.3007970 05
17	A% 16< #	2.3126850 03	1.3036790 03	-5.1350310 05
18	A% 17< #	1.2256700 03	9.5891070 04	-1.9040550 05
19	A% 18< #	6.5060070 04	6.3984350 04	1.4523000 05
20	A% 19< #	3.4369070 04	3.9706880 04	1.6934430 05
21	A% 20< #	1.7616040 04	2.2995180 04	1.2886560 05
22	A% 21< #	8.0188130 05	1.1446500 04	8.1273100 06
23	A% 22< #	2.8266970 05	4.2842430 05	3.6427770 06
24	A% 23< #	-8.4503090 08	2.1135030 07	7.6508150 07
25	A% 24< #	2.7303560 08	1.6458020 07	2.6673510 07

E = 2.50 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	1.694209D-01	6.709569D-00	6.386039D-00
2	AX 1< #	6.906105D-00	3.595122D-01	4.842153D-02
3	AX 2< #	3.998934D-01	7.841866D-01	2.221642D-00
4	AX 3< #	1.153603D-00	1.382377D-01	1.267176D-03
5	AX 4< #	1.946004D-01	1.381111D-00	1.135178D-01
6	AX 5< #	-2.015969D-00	-6.498721D-02	-6.180423D-03
7	AX 6< #	-9.349322D-01	-2.127617D-02	-2.459771D-02
8	AX 7< #	-4.441175D-01	-3.679714D-03	-1.037441D-02
9	AX 8< #	-1.818157D-01	-2.703129D-02	-3.579935D-03
10	AX 9< #	-7.542883D-02	-2.470211D-02	2.940342D-03
11	AX 10< #	-2.780262D-02	-2.086352D-02	5.107449D-03
12	AX 11< #	-4.356945D-03	-1.649228D-02	2.375095D-03
13	AX 12< #	1.021344D-02	-4.225231D-03	-2.208843D-03
14	AX 13< #	1.250751D-02	1.708053D-03	-4.717192D-05
15	AX 14< #	8.652530D-03	1.927488D-03	-6.829830D-05
16	AX 15< #	4.422224D-03	1.577006D-03	-6.361132D-05
17	AX 16< #	2.383682D-03	1.314642D-03	-9.222737D-05
18	AX 17< #	1.262285D-03	9.679834D-04	-1.930418D-05
19	AX 18< #	6.689127D-04	-6.467631D-04	1.455979D-05
20	AX 19< #	3.526745D-04	4.014932D-04	1.711841D-05
21	AX 20< #	1.803756D-04	-2.324881D-04	1.306051D-05
22	AX 21< #	8.195493D-05	1.156744D-04	8.235049D-06
23	AX 22< #	2.886276D-05	-4.327218D-05	-3.679534D-06
24	AX 23< #	-1.565084D-08	2.015902D-07	7.577664D-07
25	AX 24< #	2.307433D-08	-1.541205D-07	-2.635295D-07

E = 2.52 eV, j = 1

j' = j

j' = j + 2

j' = j + 4

1	AX 0< #	1.629670D-01	6.406108D-00	5.097701D-00
2	AX 1< #	7.210860D-00	4.002656D-01	4.805257D-02
3	AX 2< #	3.873700D-01	-6.554862D-01	2.102647D-00
4	AX 3< #	1.445778D-00	1.382624D-01	9.054186D-04
5	AX 4< #	1.764807D-01	1.313450D-00	1.053960D-01
6	AX 5< #	-2.279112D-00	-7.002133D-02	-6.994234D-03
7	AX 6< #	-1.072450D-00	-2.504283D-02	-2.809359D-02
8	AX 7< #	-5.261595D-01	-4.889453D-03	-1.179902D-02
9	AX 8< #	-2.237387D-01	-3.103646D-02	-4.070963D-03
10	AX 9< #	-9.786804D-02	-2.817155D-02	3.360099D-03
11	AX 10< #	-3.996789D-02	-2.351074D-02	5.827200D-03
12	AX 11< #	-1.056771D-02	-1.814823D-02	2.715067D-03
13	AX 12< #	7.207613D-03	-5.339334D-03	2.515906D-03
14	AX 13< #	1.196268D-02	1.683819D-03	-6.329655D-05
15	AX 14< #	8.792305D-03	1.971715D-03	-1.119905D-04
16	AX 15< #	4.562586D-03	1.588569D-03	-6.423066D-05
17	AX 16< #	2.455755D-03	1.325627D-03	-9.310817D-05
18	AX 17< #	1.299481D-03	9.770916D-04	-1.957014D-05
19	AX 18< #	6.875339D-04	6.537226D-04	1.459457D-05
20	AX 19< #	3.618225D-04	4.059471D-04	1.730258D-05
21	AX 20< #	1.846766D-04	2.350434D-04	1.323540D-05
22	AX 21< #	8.376471D-05	1.168945D-04	8.343602D-06
23	AX 22< #	2.947884D-05	4.370761D-05	3.716728D-06
24	AX 23< #	6.120443D-08	1.939782D-07	7.505462D-07
25	AX 24< #	2.127765D-08	1.443360D-07	2.605591D-07

E = 2.54 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.565468D 01	5.061205D 00	4.794083D 00
2	AX 1< #	7.455340D 00	4.274801D-01	4.733000D-02
3	AX 2< #	3.727074D 01	-5.078669D-01	1.977363D 00
4	AX 3< #	1.659668D 00	1.368662D-01	5.488978D-04
5	AX 4< #	1.5E76C9D 01	1.241137D 00	9.724495D-02
6	AX 5< #	-2.489567D 00	-7.400588D-02	-7.636003D-03
7	AX 6< #	-1.1E1877D 00	-2.799033D-02	-3.084694D-02
8	AX 7< #	-5.910027D-01	-5.788866D-03	-1.291650D-02
9	AX 8< #	-2.568288D-01	-3.415667D-02	-4.455035D-03
10	AX 9< #	-1.156124D-01	-3.088118D-02	3.694188D-03
11	AX 10< #	-4.963601D-02	-2.558076D-02	6.398381D-03
12	AX 11< #	-1.551946D-02	-1.944063D-02	2.988998D-03
13	AX 12< #	4.795104D-03	-6.156249D-03	2.762607D-03
14	AX 13< #	1.152725D-02	1.658743D-03	-7.428089D-05
15	AX 14< #	8.857821D-03	2.002369D-03	-1.214859D-04
16	AX 15< #	4.705048D-03	1.600170D-03	-6.483967D-05
17	AX 16< #	2.528907D-03	1.336634D-03	-9.398986D-05
18	AX 17< #	1.337260D-03	9.862343D-04	-1.983805D-05
19	AX 18< #	7.064643D-04	6.607210D-04	1.462736D-05
20	AX 19< #	3.711346D-04	4.104297D-04	1.748693D-05
21	AX 20< #	1.890634D-04	2.376170D-04	1.341120D-05
22	AX 21< #	8.561740D-05	1.181249D-04	8.452931D-06
23	AX 22< #	3.011484D-05	4.414800D-05	3.764323D-06
24	AX 23< #	1.461351D-07	1.885403D-07	7.434227D-07
25	AX 24< #	2.154318D-08	1.352370D-07	2.575239D-07

E = 2.56 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.504023D 01	5.752357D 00	4.469942D 00
2	AX 1< #	7.648028D 00	4.432693D-01	4.632079D-02
3	AX 2< #	3.563710D 01	-5.441564D-01	1.851908D 00
4	AX 3< #	1.805860D 00	1.346258D-01	2.315030D-04
5	AX 4< #	1.419752D 01	1.167956D 00	8.938055D-02
6	AX 5< #	-2.653403D 00	-7.712902D-02	-8.124826D-03
7	AX 6< #	-1.265970D 00	-3.014553D-02	-3.291285D-02
8	AX 7< #	-6.404793D-01	-6.422369D-03	-1.376400D-02
9	AX 8< #	-2.819413D-01	-3.652631D-02	-4.739578D-03
10	AX 9< #	-1.291894D-01	-3.292433D-02	3.952227D-03
11	AX 10< #	-5.707662D-02	-2.714461D-02	6.837787D-03
12	AX 11< #	-1.934519D-02	-2.041519D-02	3.203941D-03
13	AX 12< #	2.921074D-03	-6.827586D-03	2.955498D-03
14	AX 13< #	1.119901D-02	1.634418D-03	-8.082632D-05
15	AX 14< #	8.981475D-03	2.022086D-03	-1.273737D-04
16	AX 15< #	4.849147D-03	1.612037D-03	-6.533473D-05
17	AX 16< #	2.602980D-03	1.347878D-03	-9.477549D-05
18	AX 17< #	1.375535D-03	9.954129D-04	-2.010827D-05
19	AX 18< #	7.256904D-04	6.677433D-04	1.465645D-05
20	AX 19< #	3.806129D-04	4.149428D-04	1.767145D-05
21	AX 20< #	1.935374D-04	2.402103D-04	1.358795D-05
22	AX 21< #	8.751388D-05	1.193665D-04	8.563100D-06
23	AX 22< #	3.077149D-05	4.459424D-05	3.752377D-06
24	AX 23< #	2.392307D-07	1.853050D-07	7.364007D-07
25	AX 24< #	2.510039D-08	1.268333D-07	2.645262D-07

E = 2.58 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.446835D-01	5.431274D-00	4.145531D-00
2	A% 1< #	7.798476D-00	4.499547D-01	4.504192D-02
3	A% 2< #	3.353339D-01	-9.673408D-01	1.730486D-00
4	A% 3< #	1.897135D-00	1.316869D-01	-6.658875D-05
5	A% 4< #	1.264270D-01	1.056602D-00	8.156128D-02
6	A% 5< #	-2.777313D-00	-7.945110D-02	-8.483878D-03
7	A% 6< #	-1.329247D-00	-3.175793D-02	-3.445847D-02
8	A% 7< #	-6.770983D-01	-6.828239D-03	-1.438447D-02
9	A% 8< #	-3.004904D-01	-3.822204D-02	-4.950732D-03
10	A% 9< #	-1.391746D-01	-3.440839D-02	4.145719D-03
11	A% 10< #	-6.258981D-02	-2.828418D-02	7.165955D-03
12	A% 11< #	-2.219006D-02	-2.112387D-02	3.368294D-03
13	A% 12< #	1.520678D-03	-7.271287D-03	3.102824D-03
14	A% 13< #	1.097302D-02	1.610100D-03	-8.386550D-05
15	A% 14< #	9.055258D-03	2.032226D-03	-1.304808D-04
16	A% 15< #	4.995793D-03	1.623656D-03	-6.594373D-05
17	A% 16< #	2.678295D-03	1.358936D-03	-9.565963D-05
18	A% 17< #	1.414482D-03	1.004629D-03	-2.038020D-05
19	A% 18< #	7.452426D-04	6.748226D-04	1.468540D-05
20	A% 19< #	3.902568D-04	4.154847D-04	1.785617D-05
21	A% 20< #	1.580978D-04	2.428214D-04	1.376556D-05
22	A% 21< #	8.945357D-05	1.206180D-04	8.674022D-06
23	A% 22< #	3.144846D-05	4.504561D-05	3.830839D-06
24	A% 23< #	3.405658D-07	1.842985D-07	7.254828D-07
25	A% 24< #	3.077822D-08	1.151350D-07	2.515667D-07

E = 2.60 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.394641D-01	5.125748D-00	3.917009D-00
2	A% 1< #	7.915308D-00	4.497035D-01	4.372798D-02
3	A% 2< #	3.222986D-01	-9.802267D-01	1.615636D-00
4	A% 3< #	1.944436D-00	1.283859D-01	-3.470810D-04
5	A% 4< #	1.122464D-01	1.028736D-00	7.510326D-02
6	A% 5< #	-2.868565D-00	-8.115946D-02	-8.738613D-03
7	A% 6< #	-1.375154D-00	-3.287391D-02	-3.555469D-02
8	A% 7< #	-7.030990D-01	-7.053207D-03	-1.482010D-02
9	A% 8< #	-3.135600D-01	-3.939006D-02	-6.098005D-03
10	A% 9< #	-1.462200D-01	-3.543896D-02	4.266384D-03
11	A% 10< #	-6.651893D-02	-2.967981D-02	7.403152D-03
12	A% 11< #	-2.422725D-02	-2.161749D-02	3.491215D-03
13	A% 12< #	5.152324D-04	-7.562883D-03	3.212528D-03
14	A% 13< #	1.083687D-02	1.586742D-03	-8.415225D-05
15	A% 14< #	9.126295D-03	2.035239D-03	-1.313441D-04
16	A% 15< #	5.144551D-03	1.635285D-03	-6.654934D-05
17	A% 16< #	2.754703D-03	1.370021D-03	-9.654514D-05
18	A% 17< #	1.454020D-03	1.013882D-03	-2.065441D-05
19	A% 18< #	7.651100D-04	6.819435D-04	1.471220D-05
20	A% 19< #	4.000689D-04	4.240575D-04	1.804106D-05
21	A% 20< #	2.027465D-04	2.454526D-04	1.394414D-05
22	A% 21< #	9.143764D-05	1.218809D-04	8.785773D-06
23	A% 22< #	3.214624D-05	4.550265D-05	3.859744D-06
24	A% 23< #	4.502246D-07	1.855477D-07	7.226710D-07
25	A% 24< #	3.900580D-08	1.121512D-07	2.486457D-07

E = 2.70 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.207567D-01	3.915291D-00	2.821606D-00
2	AX 1< #	8.218210D-00	3.931403D-01	3.664941D-02
3	AX 2< #	2.479867D-01	9.602043D-01	1.164176D-00
4	AX 3< #	1.811880D-00	1.116770D-01	1.328939D-03
5	AX 4< #	6.043410D-00	7.552559D-01	4.934119D-02
6	AX 5< #	-3.029622D-00	-8.432012D-02	-9.078712D-03
7	AX 6< #	-1.448118D-00	-3.403911D-02	-3.704806D-02
8	AX 7< #	-7.374376D-01	-6.602946D-03	-1.536551D-02
9	AX 8< #	-3.293448D-01	-4.058228D-02	-5.270120D-03
10	AX 9< #	-1.546894D-01	-3.659673D-02	4.516741D-03
11	AX 10< #	-7.161924D-02	-3.003356D-02	7.775243D-03
12	AX 11< #	-2.694095D-02	-2.220452D-02	3.728094D-03
13	AX 12< #	-7.663093D-04	-7.690317D-03	3.420825D-03
14	AX 13< #	1.110896D-02	1.487167D-03	-6.312940D-05
15	AX 14< #	5.580976D-03	1.993121D-03	-1.176118D-04
16	AX 15< #	5.920085D-03	1.693513D-03	-6.960757D-05
17	AX 16< #	3.153190D-03	1.425803D-03	-1.010044D-04
18	AX 17< #	1.660592D-03	1.060689D-03	-2.205905D-05
19	AX 18< #	8.691848D-04	7.161503D-04	1.481501D-05
20	AX 19< #	4.516552D-04	4.473672D-04	1.896746D-05
21	AX 20< #	2.273171D-04	2.588933D-04	1.485043D-05
22	AX 21< #	1.020266D-04	1.283581D-04	9.356510D-06
23	AX 22< #	3.595085D-05	4.787191D-05	4.070278D-06
24	AX 23< #	1.125900D-06	2.265245D-07	6.903698D-07
25	AX 24< #	1.193527D-07	8.830904D-08	2.346968D-07

E = 2.80 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.110890D-01	3.167288D-00	2.142622D-00
2	AX 1< #	8.363115D-00	3.117224D-01	3.055139D-02
3	AX 2< #	1.965818D-01	8.958102D-01	8.845988D-01
4	AX 3< #	1.471141D-00	9.880551D-02	-2.003046D-03
5	AX 4< #	3.099110D-00	5.912370D-01	3.425880D-02
6	AX 5< #	-2.992505D-00	-8.411395D-02	-8.828508D-03
7	AX 6< #	-1.416294D-00	-3.234439D-02	-3.556130D-02
8	AX 7< #	-7.077606D-01	-5.178257D-03	-1.486339D-02
9	AX 8< #	-3.116529D-01	-3.863728D-02	-5.082709D-03
10	AX 9< #	-1.448398D-01	-3.523204D-02	4.434899D-03
11	AX 10< #	-6.658078D-02	-2.948630D-02	7.613697D-03
12	AX 11< #	-2.436226D-02	-2.161915D-02	3.709263D-03
13	AX 12< #	7.427474D-04	-6.992558D-03	3.399343D-03
14	AX 13< #	1.223644D-02	1.408158D-03	-3.101656D-05
15	AX 14< #	1.029990D-02	1.920930D-03	-9.460050D-05
16	AX 15< #	6.749072D-03	1.751930D-03	-7.267285D-05
17	AX 16< #	3.579352D-03	1.482225D-03	-1.055073D-04
18	AX 17< #	1.882127D-03	1.108419D-03	-2.351866D-05
19	AX 18< #	9.812602D-04	7.553803D-04	1.486536D-05
20	AX 19< #	5.075204D-04	4.714357D-04	1.989683D-05
21	AX 20< #	2.541439D-04	2.728229D-04	1.577924D-05
22	AX 21< #	1.137553D-04	1.351135D-04	9.947508D-06
23	AX 22< #	4.029548D-05	5.038464D-05	4.283336D-06
24	AX 23< #	2.020754D-06	3.276880D-07	6.612814D-07
25	AX 24< #	2.675310D-07	6.376973D-08	2.219433D-07

E = 2.90 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.064027D-01	2.709379D-00	1.717951D-00
2	A% 1< #	8.505617D-00	2.360288D-01	2.664639D-02
3	A% 2< #	1.622627D-01	-8.340145D-01	7.059549D-01
4	A% 3< #	1.128657D-00	9.004047D-02	-2.402991D-03
5	A% 4< #	1.343716D-00	-4.866937D-01	-2.617702D-02
6	A% 5< #	-2.920650D-00	-8.349919D-02	-8.490188D-03
7	A% 6< #	-1.366556D-00	-3.024781D-02	-3.451222D-02
8	A% 7< #	-6.670554D-01	-3.649995D-03	-1.422302D-02
9	A% 8< #	-2.878918D-01	-3.674561D-02	-4.849982D-03
10	A% 9< #	-1.314444D-01	-3.357491D-02	4.303642D-03
11	A% 10< #	-5.942510D-02	-2.792737D-02	-7.370958D-03
12	A% 11< #	-2.060312D-02	-2.090986D-02	3.644874D-03
13	A% 12< #	2.958170D-03	-6.212881D-03	-3.338512D-03
14	A% 13< #	1.371240D-02	1.338074D-03	3.631694D-07
15	A% 14< #	1.125812D-02	1.848542D-03	-7.229972D-05
16	A% 15< #	7.632076D-03	1.810584D-03	-7.576816D-05
17	A% 16< #	4.033527D-03	1.539321D-03	-1.100515D-04
18	A% 17< #	2.118831D-03	1.157094D-03	-2.503359D-05
19	A% 18< #	1.101469D-03	7.936516D-04	-1.466248D-05
20	A% 19< #	5.677504D-04	4.962783D-04	2.082856D-05
21	A% 20< #	2.832803D-04	2.872515D-04	-1.673022D-05
22	A% 21< #	1.266567D-04	1.421560D-04	1.065901D-05
23	A% 22< #	4.519927D-05	5.304732D-05	-4.507623D-06
24	A% 23< #	3.143668D-06	4.920396D-07	6.358049D-07
25	A% 24< #	4.867812D-07	5.964944D-08	-2.105387D-07

E = 3.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.044118D-01	2.421908D-00	1.440159D-00
2	A% 1< #	8.676155D-00	1.700467D-01	2.374766D-02
3	A% 2< #	1.328619D-01	-7.823691D-01	5.959295D-01
4	A% 3< #	8.261661D-01	8.420263D-02	-2.755517D-03
5	A% 4< #	2.163944D-01	-4.153767D-01	-1.940868D-02
6	A% 5< #	-2.857130D-00	-8.326297D-02	-8.202019D-03
7	A% 6< #	-1.321321D-00	-2.833377D-02	-3.325226D-02
8	A% 7< #	-6.289023D-01	-2.218738D-03	-1.366615D-02
9	A% 8< #	-2.651574D-01	-3.453698D-02	-4.647291D-03
10	A% 9< #	-1.183917D-01	-3.216072D-02	4.191022D-03
11	A% 10< #	-5.233215D-02	-2.655260D-02	-7.164906D-03
12	A% 11< #	-1.679824D-02	-2.032392D-02	3.590979D-03
13	A% 12< #	5.356218D-03	-5.531027D-03	-3.268799D-03
14	A% 13< #	1.535749D-02	1.269744D-03	2.865537D-05
15	A% 14< #	1.240813D-02	1.779725D-03	-5.224271D-05
16	A% 15< #	8.570946D-03	1.869296D-03	-7.884946D-05
17	A% 16< #	4.516638D-03	1.557069D-03	-1.146728D-04
18	A% 17< #	2.371205D-03	1.206744D-03	-2.662541D-05
19	A% 18< #	1.230104D-03	6.330003D-04	-1.479926D-05
20	A% 19< #	6.325105D-04	5.219188D-04	2.176350D-05
21	A% 20< #	3.148195D-04	3.021977D-04	-1.770662D-05
22	A% 21< #	1.407816D-04	1.494974D-04	1.118885D-05
23	A% 22< #	5.068596D-05	5.586494D-05	-4.742415D-06
24	A% 23< #	4.503009D-06	7.224157D-07	6.143134D-07
25	A% 24< #	7.801591D-07	1.370044D-07	-2.006255D-07

ORIGINAL PAGE IS  
OF POOR QUALITY



E = 3.50 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.084392D 01	1.976206D 00	8.838280D-01
2	AX 1< #	9.840770D 00	-6.944339D-02	1.488218D-02
3	AX 2< #	9.110926D 00	-6.524926D-01	3.695462D-01
4	AX 3< #	-1.873653D-01	7.480518D-02	-4.457504D-03
5	AX 4< #	-2.236722D 00	2.998020D=01	7.984523D=03
6	AX 5< #	-2.757780D 00	-8.846304D-02	-7.651895D-03
7	AX 6< #	-1.207638D 00	-2.294149D-02	-3.064562D-02
8	AX 7< #	-5.034651D-01	3.651269D-03	-1.240577D-02
9	AX 8< #	-1.823020D-01	-3.066639D-02	-4.175798D-03
10	AX 9< #	-6.768720D-02	-2.926904D-02	4.041981D-03
11	AX 10< #	-2.345053D-02	-2.535764D-02	6.849674D-03
12	AX 11< #	-3.544918D-04	-1.933294D-02	3.625655D-03
13	AX 12< #	1.744775D-02	-3.608894D-03	3.322640D-03
14	AX 13< #	2.474012D-02	8.737599D-04	1.391609D-04
15	AX 14< #	2.015015D-02	1.438083D-03	2.400415D-05
16	AX 15< #	1.409651D-02	2.166543D-03	-9.452570D-05
17	AX 16< #	7.362530D-03	1.896167D-03	-1.381946D-04
18	AX 17< #	3.866832D-03	1.469465D-03	-3.535446D-05
19	AX 18< #	2.000124D-03	1.045865D-03	1.366817D-05
20	AX 19< #	1.025021D-03	6.621928D-04	2.642986D-05
21	AX 20< #	5.092823D-04	3.848067D-04	2.289260D-05
22	AX 21< #	2.303114D-04	1.908142D-04	1.466424D-05
23	AX 22< #	8.727630D-05	7.241531D-05	6.119007D-06
24	AX 23< #	1.511222D-05	2.954712D-06	5.786550D-07
25	AX 24< #	3.456008D-06	6.793947D-07	1.780694D-07

E = 4.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.185300D 01	2.051307D 00	7.375972D-01
2	AX 1< #	1.118787D 01	-2.538771D-01	7.531150D-03
3	AX 2< #	8.318956D 00	-6.105023D-01	3.139636D-01
4	AX 3< #	-7.614848D-01	7.367882D-02	-6.530851D-03
5	AX 4< #	-3.311801D 00	2.982534D-01	4.920515D-03
6	AX 5< #	-2.849817D 00	-9.873446D-02	-7.849676D-03
7	AX 6< #	-1.185148D 00	-2.171930D-02	-3.129581D-02
8	AX 7< #	-4.287699D-01	8.117544D-03	-1.245035D-02
9	AX 8< #	-1.204014D-01	-3.104880D-02	-4.175031D-03
10	AX 9< #	-2.586399D-02	-3.053916D-02	4.277176D-03
11	AX 10< #	1.941544D-03	-2.701309D-02	7.204410D-03
12	AX 11< #	1.548105D-02	-2.012888D-02	3.974088D-03
13	AX 12< #	3.085414D-02	-3.196421D-03	3.643952D-03
14	AX 13< #	3.582931D-02	3.259074D-04	2.341567D-04
15	AX 14< #	3.054736D-02	9.986404D-04	9.011412D-05
16	AX 15< #	2.107621D-02	2.479257D-03	-1.101702D-04
17	AX 16< #	1.095695D-02	2.216091D-03	-1.626149D-04
18	AX 17< #	5.771113D-03	1.758777D-03	-4.552400D-05
19	AX 18< #	2.991905D-03	1.286822D-03	1.106417D-05
20	AX 19< #	1.538496D-03	8.235658D-04	3.104698D-05
21	AX 20< #	7.689968D-04	4.813071D-04	2.859675D-05
22	AX 21< #	3.537138D-04	2.403748D-04	1.867394D-05
23	AX 22< #	1.404283D-04	9.342568D-05	7.845506D-06
24	AX 23< #	3.269365D-05	7.193457D-06	6.899725D-07
25	AX 24< #	8.368464D-06	1.890949D-06	2.110159D-07

E = 5.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.031701D-01	2.5219A3D-00	6.928510D-01
2	AX 1< #	1.382006D-01	-6.277058D-01	-1.221499D-02
3	AX 2< #	1.001020D-01	-5.565907D-01	3.099170D-01
4	AX 3< #	-1.282506D-00	5.861697D-02	-1.219995D-02
5	AX 4< #	-4.730135D-00	3.967408D-01	3.123847D-03
6	AX 5< #	-3.137268D-00	-1.267208D-01	-9.006890D-03
7	AX 6< #	-1.152252D-00	-2.487514D-02	-3.603956D-02
8	AX 7< #	-2.689262D-01	1.651792D-02	-1.374364D-02
9	AX 8< #	2.420658D-02	-3.798618D-02	-4.635878D-03
10	AX 9< #	7.684403D-02	-3.873217D-02	5.166080D-03
11	AX 10< #	6.715485D-02	-3.480463D-02	8.650285D-03
12	AX 11< #	5.867517D-02	-2.372740D-02	5.037457D-03
13	AX 12< #	6.804900D-02	-4.655450D-03	4.656733D-03
14	AX 13< #	6.449815D-02	-1.301333D-03	4.307322D-04
15	AX 14< #	5.881959D-02	-3.969143D-04	2.358133D-04
16	AX 15< #	3.966015D-02	3.156397D-03	-1.414715D-04
17	AX 16< #	2.050693D-02	2.924997D-03	-2.142051D-04
18	AX 17< #	1.087246D-02	2.421948D-03	-7.051506D-05
19	AX 18< #	5.683467D-03	1.858043D-03	1.127051D-06
20	AX 19< #	2.954154D-03	1.213509D-03	3.990673D-05
21	AX 20< #	1.500217D-03	7.190168D-04	4.148149D-05
22	AX 21< #	7.118665D-04	3.665333D-04	2.834459D-05
23	AX 22< #	3.019431D-04	1.503760D-04	1.246637D-05
24	AX 23< #	9.139730D-05	2.259873D-05	1.474242D-06
25	AX 24< #	2.588133D-05	6.659049D-06	4.897706D-07

E = 6.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.641446D-01	3.317338D-00	7.414878D-01
2	AX 1< #	1.625466D-01	-1.077405D-00	-4.505693D-02
3	AX 2< #	1.361117D-01	-4.153519D-01	2.832776D-01
4	AX 3< #	-1.098418D-00	-1.532402D-03	-2.001664D-02
5	AX 4< #	-5.721788D-00	5.776340D-01	3.524213D-03
6	AX 5< #	-3.317857D-00	-1.606138D-01	-1.047532D-02
7	AX 6< #	-9.897922D-01	-3.295968D-02	-4.258847D-02
8	AX 7< #	-8.679274D-03	2.482823D-02	-1.547134D-02
9	AX 8< #	2.427326D-01	-5.013992D-02	-5.334499D-03
10	AX 9< #	2.308585D-01	-5.194853D-02	6.279814D-03
11	AX 10< #	1.670753D-01	-4.666348D-02	1.051028D-02
12	AX 11< #	1.265473D-01	-2.875139D-02	6.335540D-03
13	AX 12< #	1.239118D-01	-8.398920D-03	5.943124D-03
14	AX 13< #	1.040940D-01	-3.623955D-03	6.576202D-04
15	AX 14< #	9.736914D-02	-2.597189D-03	4.222357D-04
16	AX 15< #	6.478423D-02	3.928778D-03	-1.713495D-04
17	AX 16< #	3.333723D-02	3.734243D-03	-2.688383D-04
18	AX 17< #	1.777531D-02	3.205411D-03	-1.018793D-04
19	AX 18< #	9.370044D-03	2.554279D-03	-1.550507D-05
20	AX 19< #	4.922095D-03	1.698257D-03	4.797437D-05
21	AX 20< #	2.534763D-03	1.020312D-03	5.623426D-05
22	AX 21< #	1.230967D-03	5.317034D-04	4.027926D-05
23	AX 22< #	5.441599D-04	2.292216D-04	1.879610D-05
24	AX 23< #	1.849794D-04	4.840552D-05	3.162058D-06
25	AX 24< #	5.489855D-05	1.498639D-05	1.111736D-06

E = 7.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.871153D 01	4.159469D 00	8.241445D 01
2	AX 1< #	1.868368D 01	-1.639936D 00	-9.407743D 02
3	AX 2< #	1.832076D 01	-9.502733D 02	4.205585D 01
4	AX 3< #	-1.037315D 01	-1.297922D 01	-3.000143D 02
5	AX 4< #	-6.288522D 00	8.306538D 01	5.496504D 03
6	AX 5< #	-3.272942D 00	-1.992516D 01	-1.196407D 02
7	AX 6< #	-6.197789D 01	-4.538454D 02	-5.000050D 02
8	AX 7< #	3.972897D 01	3.312785D 02	-1.721644D 02
9	AX 8< #	5.623979D 01	-6.618990D 02	-6.144394D 03
10	AX 9< #	4.525714D 01	-6.881953D 02	7.481818D 03
11	AX 10< #	3.120494D 01	-6.155064D 02	1.256219D 02
12	AX 11< #	2.258941D 01	-3.456674D 02	7.748065D 03
13	AX 12< #	2.020844D 01	-1.401727D 02	7.417410D 03
14	AX 13< #	1.571489D 01	-6.516020D 03	9.197650D 04
15	AX 14< #	1.467533D 01	-5.611403D 03	6.579938D 04
16	AX 15< #	9.690106D 02	4.830447D 03	-1.987816D 04
17	AX 16< #	4.958344D 02	4.652609D 03	-3.261911D 04
18	AX 17< #	2.655130D 02	4.114924D 03	-1.398028D 04
19	AX 18< #	1.409714D 02	3.380573D 03	-3.916607D 05
20	AX 19< #	7.471800D 03	2.282242D 03	5.498481D 05
21	AX 20< #	3.892036D 03	1.388911D 03	7.276880D 05
22	AX 21< #	1.922575D 03	7.386259D 04	5.453555D 05
23	AX 22< #	8.736386D 04	3.318023D 04	2.697494D 05
24	AX 23< #	3.166126D 04	8.569099D 05	5.896528D 06
25	AX 24< #	9.658017D 05	2.727318D 05	2.131863D 06

E = 8.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	2.102249D 01	5.063564D 00	9.252435D 01
2	AX 1< #	2.104073D 01	-2.338400D 00	-1.606592D 01
3	AX 2< #	2.382737D 01	4.651836D 01	5.074987D 01
4	AX 3< #	1.846832D 00	-3.402032D 01	-4.218210D 02
5	AX 4< #	-6.340232D 00	1.152148D 00	9.282598D 03
6	AX 5< #	-2.942436D 00	-2.421896D 01	-1.328902D 02
7	AX 6< #	3.583563D 03	-6.159514D 02	-5.791978D 02
8	AX 7< #	9.741288D 01	4.158024D 02	-1.883880D 02
9	AX 8< #	9.993393D 01	-8.502323D 02	-7.043031D 03
10	AX 9< #	7.526519D 01	-8.805351D 02	8.700668D 03
11	AX 10< #	5.090480D 01	-7.837897D 02	1.469646D 02
12	AX 11< #	3.613894D 01	-4.058687D 02	9.205112D 03
13	AX 12< #	3.050847D 01	-2.104739D 02	9.039500D 03
14	AX 13< #	2.258925D 01	-9.737534D 03	1.217748D 03
15	AX 14< #	2.075066D 01	-9.342083D 03	9.478707D 04
16	AX 15< #	1.364786D 01	5.900696D 03	-2.224518D 04
17	AX 16< #	6.936576D 02	5.687233D 03	-3.859437D 04
18	AX 17< #	3.725692D 02	5.154434D 03	-1.845248D 04
19	AX 18< #	1.989851D 02	4.340013D 03	-7.021071D 05
20	AX 19< #	1.062486D 02	2.968473D 03	6.069842D 05
21	AX 20< #	5.585960D 03	1.827390D 03	9.100545D 05
22	AX 21< #	2.795567D 03	9.894067D 04	7.115828D 05
23	AX 22< #	1.295463D 03	4.595445D 04	3.711167D 05
24	AX 23< #	4.887616D 04	1.352893D 04	9.788487D 06
25	AX 24< #	1.518243D 04	4.382932D 05	3.592710D 06

E = 9.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	2.336413D 01	5.995922D 00	1.038262D 00
2	AX 1< #	2.372267D 01	-3.184293D 00	-2.480026D -01
3	AX 2< #	2.992386D 01	1.296570D 00	6.106794D -01
4	AX 3< #	4.871016D 00	-6.380156D -01	-5.651626D -02
5	AX 4< #	-5.787028D 00	1.536249D 00	1.524755D -02
6	AX 5< #	-2.291107D 00	-2.888546D -01	-1.421690D -02
7	AX 6< #	9.130291D -01	-8.091325D -02	-6.613972D -02
8	AX 7< #	1.737858D 00	5.046189D -02	-2.024767D -02
9	AX 8< #	1.564475D 00	-1.052731D -01	-8.030482D -03
10	AX 9< #	1.138369D 00	-1.081611D -01	9.883158D -03
11	AX 10< #	7.630616D -01	-9.590480D -02	1.683289D -02
12	AX 11< #	5.365372D -01	-4.611767D -02	1.064833D -02
13	AX 12< #	4.347596D -01	-2.889773D -02	1.077978D -02
14	AX 13< #	3.122446D -01	-1.293997D -02	1.549091D -03
15	AX 14< #	2.801089D -01	-1.359505D -02	1.293589D -03
16	AX 15< #	1.840186D -01	7.187582D -03	-2.409948D -04
17	AX 16< #	9.280487D -02	6.846957D -03	-4.475962D -04
18	AX 17< #	4.994428D -02	6.328482D -03	-2.360249D -04
19	AX 18< #	2.680364D -02	5.435709D -03	-1.088632D -04
20	AX 19< #	1.439942D -02	3.759656D -03	6.495654D -05
21	AX 20< #	7.628043D -03	2.337872D -03	1.108748D -04
22	AX 21< #	3.856912D -03	1.285675D -03	9.017630D -05
23	AX 22< #	1.813729D -03	6.135278D -04	4.926396D -05
24	AX 23< #	7.034103D -04	1.978718D -04	1.492712D -05
25	AX 24< #	2.213549D -04	6.490451D -05	5.528542D -06

E = 10.00 eV, j = 1		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	2.574648D 01	6.927332D 00	1.159360D 00
2	AX 1< #	2.675859D 01	-4.176365D 00	-3.462613D -01
3	AX 2< #	3.643740D 01	2.399555D 00	7.288019D -01
4	AX 3< #	9.026566D 00	-1.021361D 00	-7.274087D -02
5	AX 4< #	-4.555657D 00	1.974020D 00	2.367836D -02
6	AX 5< #	-1.296748D 00	-3.384000D -01	-1.445970D -02
7	AX 6< #	2.135628D 00	-1.024059D -01	-7.451176D -02
8	AX 7< #	2.700081D 00	6.001499D -02	-2.144034D -02
9	AX 8< #	2.265561D 00	-1.254258D -01	-9.115451D -03
10	AX 9< #	1.615244D 00	-1.274749D -01	1.097331D -02
11	AX 10< #	1.077832D 00	-1.127477D -01	1.889962D -02
12	AX 11< #	7.540781D -01	-5.041373D -02	1.202441D -02
13	AX 12< #	5.925867D -01	-3.688223D -02	1.261216D -02
14	AX 13< #	4.178847D -01	-1.568686D -02	1.911574D -03
15	AX 14< #	3.650154D -01	-1.810129D -02	1.695884D -03
16	AX 15< #	2.400667D -01	8.747161D -03	-2.526784D -04
17	AX 16< #	1.200319D -01	8.141509D -03	-5.108321D -04
18	AX 17< #	6.466832D -02	7.641820D -03	-2.944381D -04
19	AX 18< #	3.484214D -02	6.670771D -03	-1.554035D -04
20	AX 19< #	1.881344D -02	4.658438D -03	6.756530D -05
21	AX 20< #	1.002864D -02	2.922355D -03	1.323329D -04
22	AX 21< #	5.112864D -03	1.628935D -03	1.116251D -04
23	AX 22< #	2.431827D -03	7.949131D -04	6.359426D -05
24	AX 23< #	9.622000D -04	2.739940D -04	2.138621D -05
25	AX 24< #	3.057706D -04	9.070537D -05	7.967728D -06

E = 0.20 eV, j = 2				j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	8.037955D-01	1.017321D-02	1.616176D-05		
2	A% 1< #	-4.165910D-01	-2.574444D-03	-2.148196D-05		
3	A% 2< #	-1.430262D-01	-5.590841D-05	2.112101D-05		
4	A% 3< #	-4.440316D-02	-1.011077D-03	-1.190573D-05		
5	A% 4< #	-2.441038D-02	-1.526552D-03	-1.844203D-06		
6	A% 5< #	-1.892199D-02	-2.142045D-03	-1.507542D-05		
7	A% 6< #	3.246751D-03	-8.560062D-04	-1.908886D-05		
8	A% 7< #	6.708664D-03	-6.178115D-04	-2.261798D-05		
9	A% 8< #	6.475588D-03	-5.643501D-04	-1.377493D-05		
10	A% 9< #	5.607094D-03	-5.739368D-04	-2.194519D-06		
11	A% 10< #	4.932089D-03	-6.268679D-04	7.591903D-06		
12	A% 11< #	4.762929D-03	-6.395424D-04	1.333902D-05		
13	A% 12< #	4.712659D-03	1.602180D-04	1.840103D-05		
14	A% 13< #	-2.047147D-03	3.379166D-04	-1.340133D-05		
15	A% 14< #	-7.026284D-04	2.916224D-04	5.275045D-06		
16	A% 15< #	-2.134245D-04	2.340178D-04	-4.424593D-06		
17	A% 16< #	-2.340646D-05	1.778002D-04	-7.620439D-06		
18	A% 17< #	5.449009D-05	1.196735D-04	-1.699733D-06		
19	A% 18< #	8.442438D-05	7.198372D-05	1.256340D-06		
20	A% 19< #	7.736699D-05	4.791466D-05	-3.303484D-07		
21	A% 20< #	6.059068D-05	3.188923D-05	2.370063D-07		
22	A% 21< #	4.217620D-05	2.012129D-05	5.272290D-07		
23	A% 22< #	2.620459D-05	1.086785D-05	7.825073D-07		
24	A% 23< #	1.306333D-05	4.201666D-06	7.746367D-07		
25	A% 24< #	5.222257D-06	1.669629D-06	2.988817D-07		

E = 0.80 eV, j = 2	j' = j	j' = j + 2	j' = j + 4
1 A% 0< # 4.199256D-00	6.970065D-02	8.778656D-04	
2 A% 1< # -5.309881D-01	-5.555343D-02	-1.025642D-05	
3 A% 2< # -1.750821D-00	1.605951D-02	4.330198D-04	
4 A% 3< # -5.183701D-01	-3.855283D-03	-3.305150D-05	
5 A% 4< # -1.611411D-01	-5.704494D-03	1.668012D-04	
6 A% 5< # -1.086092D-01	-9.250893D-03	-5.627151D-07	
7 A% 6< # 7.838468D-03	-1.002310D-03	2.832742D-04	
8 A% 7< # 3.739523D-02	-6.042551D-04	-6.677488D-05	
9 A% 8< # 3.228858D-02	-4.444211D-04	1.785953D-05	
10 A% 9< # 2.444760D-02	-7.358175D-04	-2.340564D-05	
11 A% 10< # 1.912814D-02	-1.296827D-03	-1.456821D-05	
12 A% 11< # 1.681476D-02	-2.128335D-03	4.501169D-05	
13 A% 12< # 1.444382D-02	1.384937D-03	6.443078D-05	
14 A% 13< # -4.570177D-03	1.151464D-03	-6.029381D-05	
15 A% 14< # -3.584808D-03	9.655554D-04	2.193836D-05	
16 A% 15< # -1.284261D-03	8.264676D-04	-2.517497D-05	
17 A% 16< # -5.227148D-04	6.414468D-04	-3.597552D-05	
18 A% 17< # -1.663654D-04	4.339143D-04	-7.179376D-06	
19 A% 18< # 1.890679D-05	2.599308D-04	7.178041D-06	
20 A% 19< # 7.136950D-05	1.637399D-04	4.625202D-06	
21 A% 20< # 7.468982D-05	1.012733D-04	2.981323D-06	
22 A% 21< # 5.835880D-05	5.753062D-05	2.315183D-06	
23 A% 22< # 3.777480D-05	2.683757D-05	2.018231D-06	
24 A% 23< # 1.775081D-05	6.409482D-06	1.563708D-06	
25 A% 24< # 7.801949D-06	2.702285D-06	5.972794D-07	

E = 1.20 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.491591D-00	1.413236D-01	9.444549D-03
2	A% 1< #	5.910603D-01	-1.429869D-01	-4.811212D-04
3	A% 2< #	-3.508368D-00	6.097304D-02	4.098379D-03
4	A% 3< #	-1.206018D-00	-5.982312D-03	-2.537196D-05
5	A% 4< #	-1.255608D-01	-6.531453D-03	9.534962D-04
6	A% 5< #	-1.095445D-01	-1.358722D-02	-2.487066D-04
7	A% 6< #	4.702224D-02	1.344488D-03	1.580560D-03
8	A% 7< #	9.148392D-02	-1.159088D-03	-5.905265D-04
9	A% 8< #	6.893059D-02	1.916141D-03	2.150451D-04
10	A% 9< #	4.736720D-02	1.115648D-03	-1.391503D-04
11	A% 10< #	3.342918D-02	-2.553150D-04	-2.206859D-04
12	A% 11< #	2.633352D-02	-2.330737D-03	5.407914D-07
13	A% 12< #	2.020816D-02	3.013812D-03	3.261386D-05
14	A% 13< #	-2.022934D-03	1.542916D-03	-1.071654D-04
15	A% 14< #	-4.188140D-03	1.282540D-03	4.330854D-05
16	A% 15< #	-1.200038D-03	1.185124D-03	-4.222831D-05
17	A% 16< #	-5.060638D-04	9.369271D-04	-5.777439D-05
18	A% 17< #	-1.786143D-04	6.431936D-04	-1.204565D-05
19	A% 18< #	4.639598D-06	3.920058D-04	1.111430D-05
20	A% 19< #	5.791349D-05	2.431256D-04	8.817885D-06
21	A% 20< #	6.375497D-05	1.457964D-04	5.990566D-06
22	A% 21< #	4.956125D-05	7.853966D-05	3.968171D-06
23	A% 22< #	3.080360D-05	3.369782D-05	2.654493D-06
24	A% 23< #	1.223601D-05	5.049629D-06	1.587940D-06
25	A% 24< #	5.975822D-06	2.249892D-06	6.007882D-07

E = 1.60 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	8.957489D-00	2.769486D-01	7.603091D-02
2	A% 1< #	-2.024908D-00	-3.032319D-01	-2.160353D-03
3	A% 2< #	-5.645367D-00	1.769145D-01	3.197038D-02
4	A% 3< #	-2.398011D-00	-9.505615D-03	-5.886199D-05
5	A% 4< #	6.695232D-01	5.723745D-03	4.362966D-03
6	A% 5< #	-1.270870D-01	-1.466753D-02	-1.168384D-03
7	A% 6< #	2.172091D-01	7.138804D-03	5.804711D-03
8	A% 7< #	2.339569D-01	4.804769D-03	-2.336486D-03
9	A% 8< #	1.525007D-01	8.268394D-03	8.488921D-04
10	A% 9< #	9.503649D-02	6.456840D-03	-5.718718D-04
11	A% 10< #	6.020160D-02	3.510586D-03	-9.881569D-04
12	A% 11< #	4.159995D-02	-8.439518D-04	-2.768625D-04
13	A% 12< #	2.847776D-02	5.937265D-03	-2.132555D-04
14	A% 13< #	3.542854D-03	1.806278D-03	-1.817716D-04
15	A% 14< #	-3.177042D-03	1.458860D-03	8.568417D-05
16	A% 15< #	-1.085869D-04	1.531083D-03	-6.090096D-05
17	A% 16< #	9.485902D-06	1.234290D-03	-8.137117D-05
18	A% 17< #	5.459400D-05	8.629125D-04	-1.817464D-05
19	A% 18< #	1.023174D-04	5.384609D-04	1.448596D-05
20	A% 19< #	9.368042D-05	3.318843D-04	1.364503D-05
21	A% 20< #	7.237985D-05	1.949801D-04	9.788762D-06
22	A% 21< #	4.678259D-05	1.009595D-04	5.078290D-06
23	A% 22< #	2.442948D-05	4.055474D-05	3.362825D-06
24	A% 23< #	5.824566D-06	3.169476D-06	1.443736D-06
25	A% 24< #	3.521865D-06	1.536912D-06	5.389304D-07

E = 2.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.359492D 01	9.110976D-01	7.124307D-01
2	A% 1< #	2.877422D 00	-6.384948D-01	-5.455603D-03
3	A% 2< #	-5.660616D 00	4.657384D-01	2.955589D-01
4	A% 3< #	-4.859556D 00	-1.523344D-02	-7.235284D-04
5	A% 4< #	6.287310D 00	1.539448D-01	2.522238D-02
6	A% 5< #	1.251776D 00	-2.835208D-03	-4.427698D-03
7	A% 6< #	8.690229D-01	2.248642D-02	2.009242D-02
8	A% 7< #	6.773172D-01	1.228384D-02	2.237157D-03
9	A% 8< #	3.913768D-01	2.680415D-02	2.940757D-03
10	A% 9< #	2.242573D-01	2.290127D-02	-2.155963D-03
11	A% 10< #	1.292819D-01	1.588843D-02	-3.760628D-03
12	A% 11< #	7.809344D-02	6.001293D-03	-1.454756D-03
13	A% 12< #	4.708941D-02	1.271334D-02	-1.276116D-03
14	A% 13< #	1.365818D-02	1.956231D-03	3.252834D-04
15	A% 14< #	-1.783532D-04	1.371200D-03	1.825835D-04
16	A% 15< #	2.150334D-03	1.871431D-03	-8.082143D-05
17	A% 16< #	1.118161D-03	1.539119D-03	-1.065575D-04
18	A% 17< #	5.927558D-04	1.057761D-03	-2.568417D-05
19	A% 18< #	3.503268D-04	7.032166D-04	1.705676D-05
20	A% 19< #	2.032516D-04	4.333290D-04	1.892001D-05
21	A% 20< #	1.160763D-04	2.514465D-04	1.430832D-05
22	A% 21< #	5.942231D-05	1.267650D-04	8.683072D-06
23	A% 22< #	2.400701D-05	4.871804D-05	4.240119D-06
24	A% 23< #	1.134248D-06	1.528447D-06	1.232529D-06
25	A% 24< #	1.394147D-06	8.449817D-07	4.509937D-07

E = 2.10 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.636474D 01	1.517701D 00	1.371138D 00
2	A% 1< #	2.843193D 00	-7.653334D-01	-4.818117D-03
3	A% 2< #	-2.267612D 00	5.521503D-01	5.676959D-01
4	A% 3< #	-5.854782D 00	-1.233561D-02	-1.340877D-03
5	A% 4< #	1.103730D 01	3.147479D-01	4.345443D-02
6	A% 5< #	1.866194D 00	4.771369D-03	6.078040D-03
7	A% 6< #	1.210819D 00	2.959679D-02	2.725057D-02
8	A% 7< #	8.978553D-01	1.526556D-02	1.118654D-02
9	A% 8< #	5.073060D-01	3.561567D-02	3.974401D-03
10	A% 9< #	2.864657D-01	3.082442D-02	-2.977049D-03
11	A% 10< #	1.624239D-01	2.197393D-02	-5.188049D-03
12	A% 11< #	9.538944D-02	9.544547D-03	-2.095571D-03
13	A% 12< #	5.586888D-02	1.571675D-02	-1.854210D-03
14	A% 13< #	1.771820D-02	2.000030D-03	3.792791D-04
15	A% 14< #	1.149077D-03	1.288603D-03	2.214573D-04
16	A% 15< #	2.910832D-03	1.956050D-03	-8.593796D-05
17	A% 16< #	1.495805D-03	1.616826D-03	-1.130525D-04
18	A% 17< #	7.799417D-04	1.159194D-03	-2.780667D-05
19	A% 18< #	4.391079D-04	7.475762D-04	1.754039D-05
20	A% 19< #	2.442437D-04	4.609470D-04	2.029345D-05
21	A% 20< #	1.337821D-04	2.669181D-04	1.554531D-05
22	A% 21< #	6.577869D-05	1.339094D-04	9.414831D-06
23	A% 22< #	2.527958D-05	5.107267D-05	4.494097D-06
24	A% 23< #	4.489805D-07	1.218972D-06	1.177844D-06
25	A% 24< #	9.930590D-07	6.988672D-07	4.282253D-07

E = 2.20 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.125426D 01	2.806260D 00	2.761923D 00
2	A% 1< #	2.878939D 00	-2.627058D-01	5.788325D-04
3	A% 2< #	7.538294D 00	5.320279D-01	1.141743D 00
4	A% 3< #	-6.776106D 00	3.945111D-03	2.434093D-03
5	A% 4< #	1.981784D 01	6.626818D-01	7.866347D-02
6	A% 5< #	2.539788D 00	1.247851D-02	7.794241D-03
7	A% 6< #	1.581582D 00	3.708761D-02	3.477913D-02
8	A% 7< #	1.135940D 00	1.819619D-02	1.425378D-02
9	A% 8< #	6.335722D-01	4.464283D-02	5.047366D-03
10	A% 9< #	3.549745D-01	3.894881D-02	-3.856074D-03
11	A% 10< #	1.995923D-01	2.820080D-02	-6.708638D-03
12	A% 11< #	1.150202D-01	1.313681D-02	-2.805722D-03
13	A% 12< #	6.627350D-02	1.875549D-02	-2.491147D-03
14	A% 13< #	2.273640D-02	2.085019D-03	4.253286D-04
15	A% 14< #	3.173112D-03	1.230798D-03	2.540986D-04
16	A% 15< #	3.753611D-03	2.040843D-03	-9.114241D-05
17	A% 16< #	1.915648D-03	1.695367D-03	-1.196675D-04
18	A% 17< #	5.893019D-04	1.221831D-03	-3.000051D-05
19	A% 18< #	5.392112D-04	7.932869D-04	1.797716D-05
20	A% 19< #	2.911247D-04	4.895250D-04	2.168600D-05
21	A% 20< #	1.544826D-04	2.829770D-04	1.682428D-05
22	A% 21< #	7.358294D-05	1.413639D-04	1.017946D-05
23	A% 22< #	2.720012D-05	5.357594D-05	4.763557D-06
24	A% 23< #	5.882285D-06	5.634050D-07	1.124193D-06
25	A% 24< #	6.614791D-07	5.685692D-07	4.058510D-07

E = 2.30 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.921860D 01	5.310077D 00	5.395115D 00
2	A% 1< #	3.917624D 00	-7.362209D-01	1.901755D-02
3	A% 2< #	3.130740D 01	8.444094D-02	2.227694D 00
4	A% 3< #	-6.368680D 00	5.720821D-02	3.909073D-03
5	A% 4< #	3.372503D 01	1.340486D 00	1.385485D-01
6	A% 5< #	2.477312D 00	7.124492D-03	7.366713D-03
7	A% 6< #	1.549321D 00	3.661638D-02	3.330708D-02
8	A% 7< #	1.127926D 00	1.799902D-02	1.355172D-02
9	A% 8< #	6.375693D-01	4.251952D-02	4.794126D-03
10	A% 9< #	3.621504D-01	3.691633D-02	-3.728794D-03
11	A% 10< #	2.067084D-01	2.640482D-02	-6.465460D-03
12	A% 11< #	1.200705D-01	1.171083D-02	-2.771105D-03
13	A% 12< #	7.112155D-02	1.819430D-02	-2.444589D-03
14	A% 13< #	2.734282D-02	2.258047D-03	3.926682D-04
15	A% 14< #	6.638393D-03	1.404731D-03	2.240622D-04
16	A% 15< #	4.679513D-03	2.125736D-03	-9.640161D-05
17	A% 16< #	2.378323D-03	1.774713D-03	-1.263714D-04
18	A% 17< #	1.221300D-03	1.285656D-03	-3.229065D-05
19	A% 18< #	6.510113D-04	8.403792D-04	1.834840D-05
20	A% 19< #	3.440926D-04	5.190974D-04	2.309491D-05
21	A% 20< #	1.783040D-04	2.996501D-04	1.814446D-05
22	A% 21< #	8.291349D-05	1.491500D-04	1.057769D-05
23	A% 22< #	2.981268D-05	5.624030D-05	5.049375D-06
24	A% 23< #	-1.740383D-07	7.677736D-07	1.072289D-06
25	A% 24< #	4.069339D-07	4.563050D-07	3.841767D-07



E = 2.32 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.095742D 01	5.929749D 00	6.029370D 00
2	AX 1< #	4.415284D 00	-6.519856D-01	2.500922D-02
3	AX 2< #	3.795714D 01	-9.847760D-02	2.489167D 00
4	AX 3< #	-5.897526D 00	7.435499D-02	4.128606D-03
5	AX 4< #	3.655833D 01	1.507506D 00	1.517203D-01
6	AX 5< #	2.209652D 00	1.884134D-03	6.579846D-03
7	AX 6< #	1.404514D 00	3.387329D-02	3.003552D-02
8	AX 7< #	1.042002D 00	1.700012D-02	1.217668D-02
9	AX 8< #	5.959852D-01	3.849862D-02	4.310882D-03
10	AX 9< #	3.418796D-01	3.322717D-02	-3.362890D-03
11	AX 10< #	1.971333D-01	2.345890D-02	-5.823892D-03
12	AX 11< #	1.155982D-01	9.824584D-03	-2.501823D-03
13	AX 12< #	6.972922D-02	1.693280D-02	-2.196168D-03
14	AX 13< #	2.778352D-02	2.302861D-03	-3.646034D-04
15	AX 14< #	7.541232D-03	1.501754D-03	2.008086D-04
16	AX 15< #	4.874770D-03	2.142727D-03	-9.746305D-05
17	AX 16< #	2.476068D-03	1.790683D-03	-1.277220D-04
18	AX 17< #	1.270454D-03	1.298618D-03	-3.276011D-05
19	AX 18< #	6.747994D-04	8.499645D-04	1.841482D-05
20	AX 19< #	3.554322D-04	5.251322D-04	-2.337867D-05
21	AX 20< #	1.834527D-04	3.030596D-04	1.841342D-05
22	AX 21< #	8.496873D-05	1.507480D-04	1.114135D-05
23	AX 22< #	3.042164D-05	5.679316D-05	5.108532D-06
24	AX 23< #	-1.766916D-07	7.363402D-07	1.062180D-06
25	AX 24< #	3.658999D-07	4.362036D-07	3.799527D-07

E = 2.34 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.256261D 01	6.539765D 00	6.643945D 00
2	AX 1< #	5.039588D 00	-5.436231D-01	-3.152569D-02
3	AX 2< #	4.486884D 01	-3.142156D-01	2.742422D 00
4	AX 3< #	-5.254793D 00	9.322442D-02	4.275652D-03
5	AX 4< #	3.903437D 01	1.671315D 00	1.638404D-01
6	AX 5< #	1.819281D 00	-5.283674D-03	5.463525D-03
7	AX 6< #	1.193484D 00	2.988129D-02	2.536475D-02
8	AX 7< #	9.157672D-01	1.556830D-02	1.022423D-02
9	AX 8< #	5.340363D-01	3.280733D-02	3.625552D-03
10	AX 9< #	3.110828D-01	2.801114D-02	-2.835188D-03
11	AX 10< #	1.821469D-01	1.931145D-02	-4.901189D-03
12	AX 11< #	1.083980D-01	7.199092D-03	-2.105240D-03
13	AX 12< #	6.710796D-02	1.514008D-02	-1.832322D-03
14	AX 13< #	2.792172D-02	2.347746D-03	-3.274390D-04
15	AX 14< #	8.485144D-03	1.624468D-03	1.702851D-04
16	AX 15< #	5.073419D-03	2.159725D-03	-9.852029D-05
17	AX 16< #	2.575571D-03	1.806688D-03	-1.290735D-04
18	AX 17< #	1.320538D-03	1.311588D-03	-3.323298D-05
19	AX 18< #	6.990700D-04	8.596050D-04	1.847861D-05
20	AX 19< #	3.670242D-04	5.312068D-04	-2.366300D-05
21	AX 20< #	1.887319D-04	3.064941D-04	1.868400D-05
22	AX 21< #	8.708808D-05	1.523591D-04	-1.130632D-05
23	AX 22< #	3.105992D-05	5.735240D-05	5.168317D-06
24	AX 23< #	-1.679039D-07	7.075564D-07	1.052166D-06
25	AX 24< #	3.282844D-07	4.169233D-07	3.757707D-07

E = 2.36 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.391660D 01	7.101870D 00	7.197800D 00
2	AX 1< #	5.784429D 00	-4.132908D-01	3.834055D-02
3	AX 2< #	5.167422D 01	-5.561214D-01	2.970577D 00
4	AX 3< #	-4.447980D 00	1.130366D-01	4.327241D-03
5	AX 4< #	4.093196D 01	1.821419D 00	1.739683D-01
6	AX 5< #	1.305106D 00	-1.435242D-02	4.020869D-03
7	AX 6< #	9.158240D-01	2.464353D-02	1.929973D-02
8	AX 7< #	7.490088D-01	1.371671D-02	-7.698023D-03
9	AX 8< #	4.515572D-01	2.546445D-02	2.739819D-03
10	AX 9< #	2.696200D-01	2.128479D-02	-2.145297D-03
11	AX 10< #	1.616335D-01	1.397605D-02	-3.697132D-03
12	AX 11< #	9.839471D-02	3.845220D-03	-1.579680D-03
13	AX 12< #	6.319517D-02	1.282390D-02	-1.351643D-03
14	AX 13< #	2.771465D-02	2.389873D-03	2.818610D-04
15	AX 14< #	9.437612D-03	1.770610D-03	1.329977D-04
16	AX 15< #	5.275446D-03	2.176730D-03	-9.957900D-05
17	AX 16< #	2.676829D-03	1.822730D-03	-1.304276D-04
18	AX 17< #	-1.371551D-03	1.324611D-03	-3.370949D-05
19	AX 18< #	7.238239D-04	8.693029D-04	1.853991D-05
20	AX 19< #	3.788698D-04	5.373229D-04	-2.394803D-05
21	AX 20< #	1.941418D-04	3.099535D-04	1.895619D-05
22	AX 21< #	8.927192D-05	1.539837D-04	1.147260D-05
23	AX 22< #	3.172802D-05	5.791854D-05	5.228791D-06
24	AX 23< #	-1.474882D-07	6.814916D-07	1.042266D-06
25	AX 24< #	2.941408D-07	3.984797D-07	3.716329D-07

E = 2.38 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.490709D 01	7.575377D 00	7.648458D 00
2	AX 1< #	6.627411D 00	-2.663735D-01	4.507279D-02
3	AX 2< #	5.793734D 01	-8.128695D-01	3.156124D 00
4	AX 3< #	-3.506570D 00	1.327225D-01	4.251832D-03
5	AX 4< #	4.205283D 01	1.946720D 00	1.812056D-01
6	AX 5< #	6.811085D-01	-2.505451D-02	2.294928D-03
7	AX 6< #	5.792824D-01	1.831800D-02	1.201970D-02
8	AX 7< #	5.464822D-01	1.151318D-02	4.673977D-03
9	AX 8< #	3.508886D-01	1.669758D-02	1.680507D-03
10	AX 9< #	2.186423D-01	1.325453D-02	-1.312758D-03
11	AX 10< #	1.361367D-01	7.615895D-03	-2.246233D-03
12	AX 11< #	3.584401D-02	-1.334555D-04	-9.389893D-04
13	AX 12< #	5.807465D-02	1.005826D-02	-7.669330D-04
14	AX 13< #	2.715381D-02	2.426076D-03	2.297206D-04
15	AX 14< #	1.035867D-02	1.934479D-03	9.041656D-05
16	AX 15< #	5.480871D-03	2.193741D-03	-1.006388D-04
17	AX 16< #	2.779852D-03	1.838809D-03	-1.317840D-04
18	AX 17< #	1.423499D-03	1.337684D-03	-3.419007D-05
19	AX 18< #	7.490647D-04	8.790576D-04	1.859841D-05
20	AX 19< #	3.909710D-04	5.434903D-04	2.423372D-05
21	AX 20< #	1.996840D-04	3.134387D-04	1.923007D-05
22	AX 21< #	9.152151D-05	1.556229D-04	1.164027D-05
23	AX 22< #	3.242630D-05	5.849166D-05	5.289942D-06
24	AX 23< #	-1.153251D-07	6.581651D-07	1.032470D-06
25	AX 24< #	2.635217D-07	3.808884D-07	3.675415D-07

E = 2.40 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.545140D 01	7.925007D 00	7.960426D 00
2	AX 1< #	7.530842D 00	-1.110532D-01	-5.131666D-02
3	AX 2< #	6.322956D 01	-1.069749D 00	3.284403D 00
4	AX 3< #	-2.480893D 00	1.510725D-01	-4.047100D-03
5	AX 4< #	4.226768D 01	2.037673D 00	1.848891D-01
6	AX 5< #	-2.307016D-02	-3.688373D-02	-3.655986D-04
7	AX 6< #	2.002586D-01	1.122023D-02	3.873669D-03
8	AX 7< #	3.181412D-01	9.079615D-03	-1.300844D-03
9	AX 8< #	2.368104D-01	6.940345D-03	4.983143D-04
10	AX 9< #	1.605923D-01	4.316551D-03	-3.778965D-04
11	AX 10< #	1.068691D-01	5.438715D-04	-6.185771D-04
12	AX 11< #	7.133791D-02	-4.541977D-03	-2.132431D-04
13	AX 12< #	5.198470D-02	6.982774D-03	-1.062837D-04
14	AX 13< #	2.626998D-02	2.453317D-03	-1.737631D-04
15	AX 14< #	1.120558D-02	2.107377D-03	4.494911D-05
16	AX 15< #	5.688919D-03	2.210842D-03	-1.015377D-04
17	AX 16< #	2.884371D-03	1.854994D-03	-1.329957D-04
18	AX 17< #	1.476260D-03	1.350777D-03	-3.469726D-05
19	AX 18< #	7.747921D-04	8.888420D-04	1.863642D-05
20	AX 19< #	4.033300D-04	5.456798D-04	-2.451988D-05
21	AX 20< #	2.053600D-04	3.169503D-04	1.950549D-05
22	AX 21< #	9.383732D-05	1.572763D-04	-1.180930D-05
23	AX 22< #	3.315540D-05	5.907236D-05	5.351803D-06
24	AX 23< #	-7.127436D-08	6.376106D-07	1.022776D-06
25	AX 24< #	2.364791D-07	3.641648D-07	3.634986D-07

E = 2.42 eV, j = 2,		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.551711D 01	8.128690D 00	8.113183D 00
2	AX 1< #	8.447299D 00	4.289969D-02	5.663152D-02
3	AX 2< #	6.721708D 01	-1.311065D 00	3.347103D 00
4	AX 3< #	-1.434549D 00	1.670056D-01	3.719230D-03
5	AX 4< #	4.155206D 01	2.088411D 00	1.847585D-01
6	AX 5< #	-7.663380D-01	-4.916188D-02	-1.639723D-03
7	AX 6< #	-1.993332D-01	3.787448D-03	-4.631659D-03
8	AX 7< #	7.745995D-02	6.572070D-03	-2.222486D-03
9	AX 8< #	1.165448D-01	-3.219038D-03	-7.318364D-04
10	AX 9< #	9.908467D-02	-4.994922D-03	6.050007D-04
11	AX 10< #	7.566076D-02	-6.819370D-03	1.090157D-03
12	AX 11< #	5.579308D-02	-9.119357D-03	5.552732D-04
13	AX 12< #	4.532143D-02	3.784984D-03	5.930327D-04
14	AX 13< #	2.514725D-02	2.469809D-03	-1.179296D-04
15	AX 14< #	1.194814D-02	2.278867D-03	-7.237055D-07
16	AX 15< #	5.901131D-03	2.227860D-03	-1.025999D-04
17	AX 16< #	2.990920D-03	1.871145D-03	-1.343551D-04
18	AX 17< #	1.530082D-03	1.363952D-03	-3.518575D-05
19	AX 18< #	8.010089D-04	8.987103D-04	1.868947D-05
20	AX 19< #	4.159458D-04	5.559196D-04	-2.480664D-05
21	AX 20< #	2.111691D-04	3.204867D-04	1.978244D-05
22	AX 21< #	9.621938D-05	1.589437D-04	1.197966D-05
23	AX 22< #	3.391527D-05	5.966021D-05	5.414362D-06
24	AX 23< #	-1.516442D-08	6.198944D-07	-1.013207D-06
25	AX 24< #	2.130644D-07	3.483240D-07	3.595063D-07

E = 2.44 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.512901D 01	8.182252D 00	8.105663D 00
2	A% 1< #	9.329397D 00	1.862722D-01	6.080283D-02
3	A% 2< #	6.973001D 01	-1.523595D 00	3.343680D 00
4	A% 3< #	-4.316533D-01	1.797109D-01	3.292938D-03
5	A% 4< #	3.999096D 01	2.097987D 00	1.810077D-01
6	A% 5< #	-1.504143D 00	-6.118318D-02	-3.614980D-03
7	A% 6< #	-5.952352D-01	-3.533409D-03	-1.300329D-02
8	A% 7< #	-1.608226D-01	4.151167D-03	-5.683835D-03
9	A% 8< #	-2.727225D-03	-1.317149D-02	-1.939542D-03
10	A% 9< #	3.787973D-02	-1.412229D-02	1.576599D-03
11	A% 10< #	4.443598D-02	-1.403482D-02	2.777513D-03
12	A% 11< #	4.017419D-02	-1.359457D-02	1.320747D-03
13	A% 12< #	3.851369D-02	6.590168D-04	1.288532D-03
14	A% 13< #	2.388491D-02	2.474607D-03	-6.544175D-05
15	A% 14< #	1.256504D-02	2.439026D-03	-4.374410D-05
16	A% 15< #	6.116757D-03	2.244889D-03	-1.036589D-04
17	A% 16< #	3.099236D-03	1.887333D-03	-1.357169D-04
18	A% 17< #	1.584846D-03	1.377180D-03	-3.567815D-05
19	A% 18< #	8.277173D-04	9.086367D-04	1.873964D-05
20	A% 19< #	4.288203D-04	5.622010D-04	-2.509374D-05
21	A% 20< #	2.171127D-04	3.240496D-04	2.006097D-05
22	A% 21< #	9.866859D-05	1.606258D-04	1.215141D-05
23	A% 22< #	3.470598D-05	6.025493D-05	5.477627D-06
24	A% 23< #	5.315365D-08	6.050664D-07	1.003775D-06
25	A% 24< #	1.933283D-07	3.333811D-07	3.555668D-07

E = 2.46 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.436032D 01	8.098703D 00	7.954780D 00
2	A% 1< #	1.013805D 01	3.118486D-01	6.369805D-02
3	A% 2< #	7.077982D 01	-1.698506D 00	3.281171D 00
4	A% 3< #	4.746762D-01	1.888466D-01	2.798688D-03
5	A% 4< #	3.775618D 01	2.070148D 00	1.742136D-01
6	A% 5< #	-2.196831D 00	-7.233680D-02	-5.450502D-03
7	A% 6< #	-9.660903D-01	-1.034283D-02	-2.079488D-02
8	A% 7< #	-3.837075D-01	1.953313D-03	-8.899118D-03
9	A% 8< #	-1.144240D-01	-2.238582D-02	-3.060384D-03
10	A% 9< #	-1.960360D-02	-2.257992D-02	2.484986D-03
11	A% 10< #	1.496417D-02	-2.072032D-02	4.353305D-03
12	A% 11< #	2.537766D-02	-1.773330D-02	2.041859D-03
13	A% 12< #	3.197383D-02	-2.226664D-03	1.942913D-03
14	A% 13< #	2.259248D-02	2.468348D-03	1.907206D-05
15	A% 14< #	1.305327D-02	2.580109D-03	-8.191515D-05
16	A% 15< #	6.335804D-03	2.261925D-03	-1.047208D-04
17	A% 16< #	3.209322D-03	1.903558D-03	-1.370822D-04
18	A% 17< #	1.640555D-03	1.390461D-03	-3.617460D-05
19	A% 18< #	8.549196D-04	9.186221D-04	1.878700D-05
20	A% 19< #	4.419554D-04	5.695255D-04	-2.538149D-05
21	A% 20< #	2.231922D-04	3.276395D-04	2.034123D-05
22	A% 21< #	1.011852D-04	1.623227D-04	1.232454D-05
23	A% 22< #	3.552818D-05	6.085729D-05	5.541617D-06
24	A% 23< #	1.338167D-07	5.931663D-07	9.944844D-07
25	A% 24< #	1.773209D-07	3.193507D-07	3.516820D-07

E = 2.48 eV, j = 2				j' = j				j' = j + 2				j' = j + 4			
1	AX	0<	#	3.331211D	01	7.903288D	00	7.689702D	00						
2	AX	1<	#	1.084823D	01	4.154594D	01	6.535500D	02						
3	AX	2<	#	7.052924D	01	-1.832359D	00	3.171619D	00						
4	AX	3<	#	1.250077D	00	1.944933D	01	2.269706D	03						
5	AX	4<	#	3.506195D	01	2.011946D	00	1.651801D	01						
6	AX	5<	#	-2.815933D	00	-8.220241D	02	-7.073171D	03						
7	AX	6<	#	-1.296644D	00	-1.636018D	02	-2.769316D	02						
8	AX	7<	#	-5.819246D	01	6.896752D	05	-1.173982D	02						
9	AX	8<	#	-2.138282D	01	-3.049503D	02	-4.049646D	03						
10	AX	9<	#	-7.089211D	02	-3.003168D	02	3.293269D	03						
11	AX	10<	#	-1.145662D	02	-2.661199D	02	5.753728D	03						
12	AX	11<	#	-1.206827D	02	-2.137463D	02	2.688742D	03						
13	AX	12<	#	2.601937D	02	-4.756366D	03	2.529219D	03						
14	AX	13<	#	2.136513D	02	2.452645D	03	-1.951964D	05						
15	AX	14<	#	1.342434D	02	2.697586D	03	-1.138942D	04						
16	AX	15<	#	6.558287D	03	2.278968D	03	-1.057847D	04						
17	AX	16<	#	3.321182D	03	1.919818D	03	-1.384508D	04						
18	AX	17<	#	1.697212D	03	1.403794D	03	-3.667482D	05						
19	AX	18<	#	8.826171D	04	9.286653D	04	1.883175D	05						
20	AX	19<	#	4.553516D	04	5.748919D	04	2.566990D	05						
21	AX	20<	#	2.294078D	04	3.312560D	04	2.062310D	05						
22	AX	21<	#	1.037699D	04	1.640345D	04	1.249901D	05						
23	AX	22<	#	3.638195D	05	6.146700D	05	5.606329D	06						
24	AX	23<	#	2.269599D	07	5.842332D	07	9.853412D	07						
25	AX	24<	#	1.650916D	07	3.062476D	07	3.478541D	07						

E = 2.50 eV, j = 2				j' = j				j' = j + 2				j' = j + 4			
1	AX	0<	#	3.209076D	01	7.626639D	00	7.344341D	00						
2	AX	1<	#	1.144983D	01	4.660069D	01	6.602045D	02						
3	AX	2<	#	6.923175D	01	-1.926433D	00	3.028991D	00						
4	AX	3<	#	1.880183D	00	1.970380D	01	1.724582D	03						
5	AX	4<	#	3.212098D	01	1.931863D	00	1.547594D	01						
6	AX	5<	#	-3.346197D	00	-9.057476D	02	-8.447078D	03						
7	AX	6<	#	-1.578803D	00	-2.144153D	02	-3.353783D	02						
8	AX	7<	#	-7.505719D	01	-1.461231D	03	-1.414099D	02						
9	AX	8<	#	-2.984196D	01	-3.731834D	02	-4.885038D	03						
10	AX	9<	#	-1.146402D	01	-3.631146D	02	3.982037D	03						
11	AX	10<	#	-3.410064D	02	-3.157961D	02	6.945566D	03						
12	AX	11<	#	6.251011D	04	-2.444032D	02	3.245230D	03						
13	AX	12<	#	2.084362D	02	-6.873826D	03	3.032780D	03						
14	AX	13<	#	2.027168D	02	2.429576D	03	-4.980314D	05						
15	AX	14<	#	1.369915D	02	2.790130D	03	-1.392107D	04						
16	AX	15<	#	6.784224D	03	2.296023D	03	-1.068446D	04						
17	AX	16<	#	3.434821D	03	1.936114D	03	-1.398214D	04						
18	AX	17<	#	1.754820D	03	1.417180D	03	-3.717860D	05						
19	AX	18<	#	9.108116D	04	9.387661D	04	1.887376D	05						
20	AX	19<	#	4.690099D	04	5.813002D	04	2.595872D	05						
21	AX	20<	#	2.357600D	04	3.348987D	04	2.090647D	05						
22	AX	21<	#	1.064226D	04	1.657604D	04	1.267480D	05						
23	AX	22<	#	3.726737D	05	6.208373D	05	5.671742D	06						
24	AX	23<	#	3.327170D	07	5.783060D	07	9.763504D	07						
25	AX	24<	#	1.566894D	07	2.940861D	07	3.440850D	07						

E = 2.52 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.079091D 01	7.298797D 00	6.951162D 00
2	AX 1< #	1.194441D 01	5.543582D-01	6.551791D-02
3	AX 2< #	6.716832D 01	-1.985086D 00	2.866745D 00
4	AX 3< #	2.366731D 00	1.972044D-01	1.231477D-03
5	AX 4< #	2.911353D 01	1.838123D 00	1.436945D-01
6	AX 5< #	-3.784085D 00	-9.745637D-02	-9.561059D-03
7	AX 6< #	-1.810682D 00	-2.556021D-02	-3.830222D-02
8	AX 7< #	-8.885315D-01	-2.638838D-03	-1.609312D-02
9	AX 8< #	-3.675861D-01	-4.283333D-02	-5.563062D-03
10	AX 9< #	-1.504888D-01	-4.139653D-02	4.547143D-03
11	AX 10< #	-5.274398D-02	-3.560556D-02	7.921878D-03
12	AX 11< #	-8.828437D-03	-2.692190D-02	3.706541D-03
13	AX 12< #	1.652528D-02	-8.572349D-03	3.450202D-03
14	AX 13< #	1.935292D-02	2.401482D-03	-7.193166D-05
15	AX 14< #	1.390237D-02	2.858946D-03	-1.581436D-04
16	AX 15< #	7.013599D-03	2.313040D-03	-1.079273D-04
17	AX 16< #	3.550243D-03	1.952443D-03	-1.411978D-04
18	AX 17< #	1.813383D-03	1.430619D-03	-3.768654D-05
19	AX 18< #	9.395059D-04	9.489258D-04	1.891293D-05
20	AX 19< #	4.829323D-04	5.877512D-04	-2.624807D-05
21	AX 20< #	2.422501D-04	3.385684D-04	2.119150D-05
22	AX 21< #	1.091444D-04	1.675016D-04	1.285198D-05
23	AX 22< #	3.818523D-05	6.270850D-05	5.737919D-06
24	AX 23< #	4.512274D-07	5.754245D-07	9.675183D-07
25	AX 24< #	1.521628D-07	2.828808D-07	3.403776D-07

2.54

E = 2.54 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	2.948645D 01	6.945327D 00	6.537094D 00
2	AX 1< #	1.234243D 01	5.934972D-01	6.453306D-02
3	AX 2< #	6.460202D 01	-2.014429D 00	2.695911D 00
4	AX 3< #	2.723262D 00	1.953389D-01	7.455111D-04
5	AX 4< #	2.617415D 01	1.737750D 00	1.325889D-01
6	AX 5< #	-4.134301D 00	-1.029033D-01	-1.043982D-02
7	AX 6< #	-1.995177D 00	-2.677726D-02	-4.205449D-02
8	AX 7< #	-9.975806D-01	-3.489103D-03	-1.762517D-02
9	AX 8< #	-4.221907D-01	-4.712664D-02	-6.094153D-03
10	AX 9< #	-1.788467D-01	-4.536804D-02	4.996325D-03
11	AX 10< #	-6.758208D-02	-3.875508D-02	8.696240D-03
12	AX 11< #	-1.637162D-02	-2.386113D-02	4.078103D-03
13	AX 12< #	1.304761D-02	-9.882214D-03	3.785520D-03
14	AX 13< #	1.862257D-02	2.370189D-03	-8.701358D-05
15	AX 14< #	1.405752D-02	2.906758D-03	-1.713282D-04
16	AX 15< #	7.246472D-03	2.330109D-03	-1.089970D-04
17	AX 16< #	3.667452D-03	1.968807D-03	-1.425764D-04
18	AX 17< #	1.872901D-03	1.444109D-03	-3.819798D-05
19	AX 18< #	9.687002D-04	9.591426D-04	1.894942D-05
20	AX 19< #	4.971189D-04	5.942437D-04	2.653794D-05
21	AX 20< #	2.488781D-04	3.422641D-04	2.147807D-05
22	AX 21< #	1.119351D-04	1.692572D-04	1.303048D-05
23	AX 22< #	3.913514D-05	6.334024D-05	5.804791D-06
24	AX 23< #	5.826070D-07	5.756234D-07	9.588475D-07
25	AX 24< #	1.515592D-07	2.726451D-07	3.367321D-07

E = 2.56 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.822909D 01	6.585851D 00	6.122423D 00
2	A% 1< #	1.265744D 01	6.164201D-01	6.315698D-02
3	A% 2< #	6.175147D 01	-2.020732D 00	2.524873D 00
4	A% 3< #	2.967275D 00	1.922535D-01	3.127353D-04
5	A% 4< #	2.339104D 01	1.636038D 00	1.218729D-01
6	A% 5< #	-4.406919D 00	-1.071774D-01	-1.110934D-02
7	A% 6< #	-2.136940D 00	-3.111073D-02	-4.486981D-02
8	A% 7< #	-1.080800D 00	-4.061697D-03	-1.878793D-02
9	A% 8< #	-4.636246D-01	-5.038696D-02	-6.488656D-03
10	A% 9< #	-2.005531D-01	-4.836259D-02	5.342696D-03
11	A% 10< #	-7.900802D-02	-4.113597D-02	9.291621D-03
12	A% 11< #	-2.220391D-02	-3.032575D-02	4.369518D-03
13	A% 12< #	1.033640D-02	-1.085079D-02	4.047619D-03
14	A% 13< #	1.807551D-02	2.338406D-03	-9.609323D-05
15	A% 14< #	1.418370D-02	2.937671D-03	-1.796467D-04
16	A% 15< #	7.482061D-03	2.347592D-03	-1.099493D-04
17	A% 16< #	3.786192D-03	1.985523D-03	-1.438515D-04
18	A% 17< #	1.933223D-03	1.457666D-03	-3.871775D-05
19	A% 18< #	9.993689D-04	9.694038D-04	1.897829D-05
20	A% 19< #	5.115724D-04	6.007802D-04	-2.682833D-05
21	A% 20< #	2.556461D-04	3.459881D-04	2.176629D-05
22	A% 21< #	1.147962D-04	1.710287D-04	1.321041D-05
23	A% 22< #	4.011808D-05	6.398021D-05	5.872458D-06
24	A% 23< #	7.270000D-07	5.789431D-07	9.503448D-07
25	A% 24< #	1.549261D-07	2.633933D-07	3.331516D-07

E = 2.58 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.705081D 01	6.234125D 00	5.720965D 00
2	A% 1< #	1.290464D 01	6.264488D-01	6.141339D-02
3	A% 2< #	5.878446D 01	-2.009776D 00	2.359320D 00
4	A% 3< #	3.120002D 00	1.881630D-01	-9.359557D-05
5	A% 4< #	2.081410D 01	1.536777D 00	1.117631D-01
6	A% 5< #	-4.613104D 00	-1.103555D-01	-1.160158D-02
7	A% 6< #	-2.243602D 00	-3.285747D-02	-4.697582D-02
8	A% 7< #	-1.142407D 00	-4.395998D-03	-1.963978D-02
9	A% 8< #	-4.942488D-01	-5.271542D-02	-6.781798D-03
10	A% 9< #	-2.165200D-01	-5.053815D-02	5.601936D-03
11	A% 10< #	-8.747848D-02	-4.287218D-02	9.735874D-03
12	A% 11< #	-2.654115D-02	-3.139333D-02	4.592274D-03
13	A% 12< #	8.304984D-03	-1.153555D-02	4.247828D-03
14	A% 13< #	1.770300D-02	2.305042D-03	-1.002624D-04
15	A% 14< #	1.429969D-02	2.953697D-03	-1.840740D-04
16	A% 15< #	7.721899D-03	2.364690D-03	-1.110216D-04
17	A% 16< #	3.906985D-03	2.001965D-03	-1.452356D-04
18	A% 17< #	1.994658D-03	1.471265D-03	-3.923651D-05
19	A% 18< #	1.028568D-03	9.797396D-04	1.900944D-05
20	A% 19< #	5.262927D-04	6.073585D-04	-2.711923D-05
21	A% 20< #	2.625530D-04	3.497374D-04	2.205603D-05
22	A% 21< #	1.177268D-04	1.728143D-04	1.339162D-05
23	A% 22< #	4.113368D-05	6.462742D-05	5.940837D-06
24	A% 23< #	8.845264D-07	5.854187D-07	9.420135D-07
25	A% 24< #	1.623101D-07	2.551386D-07	3.296372D-07

E = 2.60 eV, j = 2				j' = j	j' = j + 2	j' = j + 4	
1	A% 0< #	2.596846D	01	5.898902D	00	5.341173D	00
2	A% 1< #	1.309799D	01	6.265524D	01	5.962194D	02
3	A% 2< #	5.582044D	01	-1.986494D	00	2.202727D	00
4	A% 3< #	1.199572D	00	1.835490D	01	-4.759493D	04
5	A% 4< #	1.846461D	01	1.442298D	00	1.024177D	01
6	A% 5< #	-4.764937D	00	-1.126963D	01	-1.195115D	02
7	A% 6< #	-2.320975D	00	-3.405756D	02	-4.846928D	02
8	A% 7< #	-1.186166D	00	-4.542356D	03	-2.023855D	02
9	A% 8< #	-5.158348D	01	-5.431629D	02	-6.986924D	03
10	A% 9< #	-2.277880D	01	-5.204916D	02	5.789890D	03
11	A% 10< #	-9.351776D	02	-4.408575D	02	1.005661D	02
12	A% 11< #	-2.964592D	02	-3.213951D	02	4.758794D	03
13	A% 12< #	6.842146D	03	-1.198991D	02	4.396904D	03
14	A% 13< #	1.748306D	02	2.271939D	03	-1.006446D	04
15	A% 14< #	1.441592D	02	2.958659D	03	-1.854216D	04
16	A% 15< #	7.965256D	03	2.381805D	03	-1.120903D	04
17	A% 16< #	4.029588D	03	2.018447D	03	-1.466225D	04
18	A% 17< #	2.057063D	03	1.484921D	03	-3.975925D	05
19	A% 18< #	1.059276D	03	9.901365D	04	1.903771D	05
20	A% 19< #	5.412831D	04	6.139815D	04	2.741067D	05
21	A% 20< #	2.696018D	04	3.535154D	04	2.234741D	05
22	A% 21< #	1.207286D	04	1.746158D	04	1.357424D	05
23	A% 22< #	4.218262D	05	6.528259D	05	6.009977D	06
24	A% 23< #	1.055321D	06	5.950871D	07	9.338562D	07
25	A% 24< #	1.737575D	07	2.478935D	07	3.261893D	07

E = 2.70 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.201783D 01	4.567856D 00	3.847489D 00
2	A% 1< #	1.361292D 01	5.483180D 01	4.967043D 02
3	A% 2< #	4.292871D 01	-1.794028D 00	1.587190D 00
4	A% 3< #	2.982860D 00	1.600349D 01	-1.814305D 03
5	A% 4< #	9.886205D 00	1.066621D 00	6.730905D 02
6	A% 5< #	-5.032755D 00	-1.170670D 01	-1.242169D 02
7	A% 6< #	-2.443862D 00	-3.519211D 02	-5.050149D 02
8	A% 7< #	-1.244181D 00	-3.653432D 03	-2.069555D 02
9	A% 8< #	-5.419852D 01	-5.591688D 02	-7.233945D 03
10	A% 9< #	-2.413072D 01	-5.375049D 02	6.092270D 03
11	A% 10< #	-1.013231D 01	-4.555509D 02	1.055585D 02
12	A% 11< #	-3.372639D 02	-3.305456D 02	5.078944D 03
13	A% 12< #	4.974563D 03	-1.224287D 02	4.680059D 03
14	A% 13< #	1.799175D 02	2.121710D 03	-7.159336D 05
15	A% 14< #	1.520158D 02	2.894540D 03	-1.673500D 04
16	A% 15< #	9.234872D 03	2.467528D 03	-1.174896D 04
17	A% 16< #	4.669848D 03	2.101407D 03	-1.536137D 04
18	A% 17< #	2.383665D 03	1.554006D 03	-4.243179D 05
19	A% 18< #	1.220477D 03	1.043007D 03	1.913676D 05
20	A% 19< #	6.203000D 04	6.477405D 04	-2.887450D 05
21	A% 20< #	3.069783D 04	3.728115D 04	2.382741D 05
22	A% 21< #	1.368125D 04	1.838535D 04	1.450772D 05
23	A% 22< #	4.793376D 05	6.867675D 05	6.367056D 06
24	A% 23< #	2.112402D 06	6.925684D 07	8.959161D 07
25	A% 24< #	2.935106D 07	2.273143D 07	3.100549D 07



E = 2.80 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.928964D 01	3.746090D 00	2.921631D 00
2	A% 1< #	1.327395D 01	4.340754D 01	4.220129D 02
3	A% 2< #	3.403029D 01	-1.600565D 00	1.206004D 00
4	A% 3< #	2.418300D 00	1.418914D 01	-2.733164D 03
5	A% 4< #	5.015646D 00	8.320422D 01	4.675294D 02
6	A% 5< #	-4.970687D 00	-1.168548D 01	-1.208378D 02
7	A% 6< #	-2.390147D 00	-3.317166D 02	-4.901759D 02
8	A% 7< #	-1.194627D 00	-1.782895D 03	-2.031538D 02
9	A% 8< #	-5.128548D 01	-5.347815D 02	-6.982970D 03
10	A% 9< #	-2.254264D 01	-5.175615D 02	5.975300D 03
11	A% 10< #	-9.341584D 02	-4.412975D 02	1.033196D 02
12	A% 11< #	-2.963699D 02	-3.220923D 02	5.052636D 03
13	A% 12< #	7.244258D 03	-1.123823D 02	4.651344D 03
14	A% 13< #	1.993263D 02	1.995849D 03	-2.712169D 05
15	A% 14< #	1.644791D 02	2.783528D 03	-1.364638D 04
16	A% 15< #	1.059348D 02	2.553565D 03	-1.229228D 04
17	A% 16< #	5.355952D 03	2.185339D 03	-1.606863D 04
18	A% 17< #	2.734825D 03	1.624466D 03	-4.520121D 05
19	A% 18< #	1.394613D 03	1.097381D 03	1.916401D 05
20	A% 19< #	7.062002D 04	6.825964D 04	3.034892D 05
21	A% 20< #	3.479796D 04	3.928050D 04	2.534632D 05
22	A% 21< #	1.547278D 04	1.934843D 04	1.547552D 05
23	A% 22< #	5.455116D 05	7.227282D 05	6.743504D 06
24	A% 23< #	3.519053D 06	8.751189D 07	8.631078D 07
25	A% 24< #	5.214477D 07	2.339683D 07	2.959068D 07

E = 2.90 eV, j = 0		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.878215D 01	3.246304D 00	2.342552D 00
2	A% 1< #	1.413092D 01	3.274331D 01	-3.660389D 02
3	A% 2< #	2.809686D 01	-1.448899D 00	9.678882D 01
4	A% 3< #	1.849832D 00	-1.295151D 01	-3.278328D 03
5	A% 4< #	2.113103D 00	6.859761D 01	3.437490D 02
6	A% 5< #	-4.850752D 00	-1.160951D 01	-1.162454D 02
7	A% 6< #	-2.306304D 00	-3.070603D 02	-4.704045D 02
8	A% 7< #	-1.126565D 00	-1.757002D 04	-1.944383D 02
9	A% 8< #	-4.736627D 01	-5.056896D 02	-6.667726D 03
10	A% 9< #	-2.037789D 01	-4.933285D 02	5.792965D 03
11	A% 10< #	-8.213369D 02	-4.237727D 02	9.998810D 03
12	A% 11< #	-2.366836D 02	-3.117268D 02	4.964923D 03
13	A% 12< #	1.068934D 02	-1.010385D 02	4.569466D 03
14	A% 13< #	2.245088D 02	1.882684D 03	1.644984D 05
15	A% 14< #	1.809247D 02	2.672322D 03	-1.065010D 04
16	A% 15< #	1.204197D 02	2.639991D 03	-1.284222D 04
17	A% 16< #	6.088451D 03	2.270288D 03	-1.678374D 04
18	A% 17< #	3.110875D 03	1.696334D 03	-4.806817D 05
19	A% 18< #	1.581897D 03	1.153285D 03	1.911869D 05
20	A% 19< #	7.991212D 04	7.185718D 04	3.183344D 05
21	A% 20< #	3.926911D 04	4.135108D 04	2.690383D 05
22	A% 21< #	1.745271D 04	2.035209D 04	1.647805D 05
23	A% 22< #	6.206524D 05	7.607989D 05	7.140049D 06
24	A% 23< #	5.289570D 06	1.146880D 06	8.359841D 07
25	A% 24< #	8.627863D 07	2.693941D 07	2.839600D 07

E = 3.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.823256D 01	2.936613D 00	1.963757D 00
2	AX 1< #	1.443265D 01	2.342986D 01	3.237889D 02
3	AX 2< #	2.405401D 01	-1.335161D 00	8.124205D 01
4	AX 3< #	1.347142D 00	1.213034D 01	-3.758872D 03
5	AX 4< #	2.492051D 01	5.918924D 01	2.651315D 02
6	AX 5< #	-4.744643D 00	-1.158589D 01	-1.123342D 02
7	AX 6< #	-2.230119D 00	-2.843169D 02	-4.532142D 02
8	AX 7< #	-1.062816D 00	2.023256D 03	-1.868531D 02
9	AX 8< #	-4.361233D 01	-4.805571D 02	-6.352689D 03
10	AX 9< #	-1.826031D 01	-4.726536D 02	5.636618D 03
11	AX 10< #	-7.085587D 02	-4.090259D 02	9.716128D 03
12	AX 11< #	-1.757214D 02	-3.031691D 02	4.891754D 03
13	AX 12< #	1.441592D 02	-9.113759D 03	4.502918D 03
14	AX 13< #	2.524714D 02	1.773033D 03	5.584224D 05
15	AX 14< #	2.005307D 02	2.567007D 03	-7.959941D 05
16	AX 15< #	1.358355D 02	2.726535D 03	-1.379183D 04
17	AX 16< #	6.868853D 03	2.356242D 03	-1.751144D 04
18	AX 17< #	3.512629D 03	1.769651D 03	-5.105830D 05
19	AX 18< #	1.782805D 03	1.210765D 03	1.899198D 05
20	AX 19< #	8.993356D 04	7.556956D 04	3.332687D 05
21	AX 20< #	4.412681D 04	4.349507D 04	2.850170D 05
22	AX 21< #	1.962903D 04	2.139787D 04	1.751239D 05
23	AX 22< #	7.051341D 05	8.010435D 05	7.554891D 06
24	AX 23< #	7.437415D 06	1.511758D 06	8.150612D 07
25	AX 24< #	1.322446D 06	3.350445D 07	2.744138D 07

E = 3.40 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.821211D 01	2.515963D 00	1.284303D 00
2	AX 1< #	1.600067D 01	-4.666462D 02	2.188198D 02
3	AX 2< #	1.661436D 01	-1.097131D 00	5.355753D 01
4	AX 3< #	-7.856532D 02	1.092097D 01	-5.629822D 03
5	AX 4< #	-3.310472D 00	4.383333D 01	1.263016D 02
6	AX 5< #	-4.575249D 00	-1.212128D 01	-1.059821D 02
7	AX 6< #	-2.059903D 00	-2.262995D 02	-4.198938D 02
8	AX 7< #	-8.855223D 01	8.527824D 03	-1.712978D 02
9	AX 8< #	-3.217576D 01	-4.263162D 02	-5.814761D 03
10	AX 9< #	-1.139079D 01	-4.326905D 02	5.406875D 03
11	AX 10< #	-3.227384D 02	-3.845595D 02	9.268335D 03
12	AX 11< #	4.379364D 03	2.851256D 02	4.893495D 03
13	AX 12< #	2.987738D 02	-6.703209D 03	4.505803D 03
14	AX 13< #	3.773715D 02	1.295958D 03	-1.831448D 04
15	AX 14< #	3.014848D 02	2.161915D 03	3.973545D 06
16	AX 15< #	2.066848D 02	3.076395D 03	-1.566723D 04
17	AX 16< #	1.046420D 02	2.710429D 03	-2.047736D 04
18	AX 17< #	5.374166D 03	2.077163D 03	-6.392187D 05
19	AX 18< #	2.722431D 03	1.456410D 03	1.774833D 05
20	AX 19< #	1.373412D 03	5.157815D 04	3.936912D 05
21	AX 20< #	6.746537D 04	5.281746D 04	3.525895D 05
22	AX 21< #	3.034325D 04	2.601237D 04	2.201407D 05
23	AX 22< #	1.140156D 04	5.849284D 05	9.437604D 06
24	AX 23< #	2.004971D 05	3.974269D 06	8.030018D 07
25	AX 24< #	4.434630D 06	9.265770D 07	2.639936D 07

E = 3.80 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.927306D 01	2.566853D 00	1.058981D 00
2	AX 1< #	1.781136D 01	-2.640564D 01	1.421205D 02
3	AX 2< #	1.458750D 01	-1.008160D 00	4.471186D 01
4	AX 3< #	-9.691017D 01	1.080257D 01	-7.653827D 03
5	AX 4< #	-4.983871D 00	4.151667D 01	7.910413D 03
6	AX 5< #	-4.650284D 00	-1.317009D 01	-1.052307D 02
7	AX 6< #	-2.010914D 00	-2.009626D 02	-4.158669D 02
8	AX 7< #	-7.773960D 01	1.397150D 02	-1.688839D 02
9	AX 8< #	-2.363349D 01	-4.191617D 02	-5.720845D 03
10	AX 9< #	-5.724186D 02	-4.367629D 02	5.560874D 03
11	AX 10< #	1.884247D 03	-3.954942D 02	9.495425D 03
12	AX 11< #	2.531867D 02	-2.948850D 02	5.196168D 03
13	AX 12< #	4.691225D 02	-5.931153D 03	4.791797D 03
14	AX 13< #	5.202039D 02	6.898644D 04	2.914355D 04
15	AX 14< #	4.316782D 02	1.687054D 03	7.456806D 05
16	AX 15< #	2.928492D 02	3.438947D 03	-1.790369D 04
17	AX 16< #	1.484533D 02	3.083272D 03	-2.356069D 04
18	AX 17< #	7.660729D 03	2.409376D 03	-7.839675D 05
19	AX 18< #	3.889220D 03	1.728200D 03	1.523337D 05
20	AX 19< #	1.970545D 03	1.095182D 03	4.548598D 05
21	AX 20< #	9.741682D 04	6.339297D 04	4.260292D 05
22	AX 21< #	4.448097D 04	3.136082D 04	2.708621D 05
23	AX 22< #	1.741907D 04	1.208143D 04	1.168238D 05
24	AX 23< #	3.962441D 05	8.194948D 06	9.259762D 07
25	AX 24< #	9.777399D 06	2.101337D 06	3.059292D 07

E = 4.40 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	2.131159D 01	2.926495D 00	9.533510D 01
2	AX 1< #	2.056814D 01	-5.689491D 01	1.194780D 03
3	AX 2< #	1.496069D 01	-9.550494D 01	4.128111D 01
4	AX 3< #	-1.790044D 00	1.048387D 01	-1.163961D 02
5	AX 4< #	-6.673659D 00	4.639206D 01	5.239780D 03
6	AX 5< #	-4.916124D 00	-1.526095D 01	-1.132441D 02
7	AX 6< #	-1.995696D 00	-2.007002D 02	-4.475795D 02
8	AX 7< #	-6.387398D 01	2.149826D 02	-1.761406D 02
9	AX 8< #	-1.092732D 01	-4.539032D 02	-5.972519D 03
10	AX 9< #	3.294500D 02	-4.859097D 02	6.125939D 03
11	AX 10< #	5.898013D 02	-4.465468D 02	1.041977D 02
12	AX 11< #	6.222930D 02	-3.204112D 02	5.939888D 03
13	AX 12< #	7.858001D 02	-6.450503D 03	5.498062D 03
14	AX 13< #	7.739144D 02	-5.091273D 04	-4.517652D 04
15	AX 14< #	6.774100D 02	7.191063D 04	1.809989D 04
16	AX 15< #	4.521038D 02	4.013434D 03	-2.144972D 04
17	AX 16< #	2.294937D 02	3.683356D 03	-2.839893D 04
18	AX 17< #	1.192117D 02	2.956800D 03	-1.032184D 04
19	AX 18< #	6.086197D 03	2.187032D 03	8.949228D 06
20	AX 19< #	3.109406D 03	1.402167D 03	5.470807D 05
21	AX 20< #	1.555253D 03	8.173735D 04	5.468490D 05
22	AX 21< #	7.257971D 04	4.085864D 04	3.578265D 05
23	AX 22< #	2.984108D 04	1.623303D 04	1.577698D 05
24	AX 23< #	8.335665D 05	1.820404D 05	1.414469D 06
25	AX 24< #	2.245360D 05	5.098636D 06	4.867541D 07

E = 5.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	2.347867D 01	3.437239D 00	9.446708D -01
2	AX 1< #	2.321921D 01	-8.923819D -01	-1.662941D -02
3	AX 2< #	1.721073D 01	-9.069493D -01	4.223070D -01
4	AX 3< #	-2.169671D 00	8.816681D -02	-1.662839D -02
5	AX 4< #	-8.005746D 00	5.652426D -01	4.375092D -03
6	AX 5< #	-5.198750D 00	-1.774965D -01	-1.239586D -02
7	AX 6< #	-1.952463D 00	-2.257163D -02	-4.908650D -02
8	AX 7< #	-4.690689D -01	2.905921D -02	-1.884484D -02
9	AX 8< #	4.700906D -02	-5.225031D -02	-6.436121D -03
10	AX 9< #	1.457911D -01	-5.678052D -02	6.878033D -03
11	AX 10< #	1.322646D -01	-5.243350D -02	1.168647D -02
12	AX 11< #	1.109082D -01	-3.570993D -02	6.865978D -03
13	AX 12< #	1.201058D -01	-8.396280D -03	6.393349D -03
14	AX 13< #	1.084407D -01	-2.085962D -03	6.224619D -04
15	AX 14< #	9.840891D -02	-6.369017D -04	3.016368D -04
16	AX 15< #	6.489177D -02	4.627085D -03	-2.501532D -04
17	AX 16< #	3.295478D -02	4.333226D -03	-3.348052D -04
18	AX 17< #	1.721435D -02	3.565497D -03	-1.319029D -04
19	AX 18< #	8.842541D -03	2.709695D -03	-4.943451D -07
20	AX 19< #	4.554869D -03	1.756531D -03	6.387556D -05
21	AX 20< #	2.303373D -03	1.032091D -03	6.800768D -05
22	AX 21< #	1.094851D -03	5.223942D -04	4.580670D -05
23	AX 22< #	4.664303D -04	2.142335D -04	2.079942D -05
24	AX 23< #	1.458218D -04	3.305852D -05	2.325346D -06
25	AX 24< #	4.126688D -05	9.738315D -06	8.314379D -07

E = 6.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	2.712741D 01	4.470476D 00	1.010917D 00
2	AX 1< #	2.738331D 01	-1.523087D 00	-6.134861D -02
3	AX 2< #	2.320863D 01	-7.204126D -01	4.812610D -01
4	AX 3< #	-1.852408D 00	5.030483D -03	-2.727035D -02
5	AX 4< #	-9.715355D 00	8.233457D -01	4.969529D -03
6	AX 5< #	-5.490718D 00	-2.252277D -01	-1.445453D -02
7	AX 6< #	-1.686329D 00	-3.184434D -02	-5.798204D -02
8	AX 7< #	-4.004335D -02	4.177731D -02	-2.125415D -02
9	AX 8< #	4.141904D -01	-6.921046D -02	-7.439242D -03
10	AX 9< #	4.077806D -01	-7.588467D -02	8.330250D -03
11	AX 10< #	3.045062D -01	-6.988380D -02	1.418048D -02
12	AX 11< #	2.270629D -01	-4.335538D -02	8.634062D -03
13	AX 12< #	2.158390D -01	-1.422662D -02	8.159807D -03
14	AX 13< #	1.754406D -01	-5.510006D -03	9.424024D -04
15	AX 14< #	1.635573D -01	-3.839132D -03	5.480856D -04
16	AX 15< #	1.064682D -01	5.766557D -03	-3.095518D -04
17	AX 16< #	5.400055D -02	5.536777D -03	-4.243878D -04
18	AX 17< #	2.841546D -02	4.723221D -03	-1.883912D -04
19	AX 18< #	1.473406D -02	3.728281D -03	-2.360916D -05
20	AX 19< #	7.681221D -03	2.457839D -03	-7.876925D -05
21	AX 20< #	3.943837D -03	1.463253D -03	9.287395D -05
22	AX 21< #	1.918854D -03	7.566978D -04	6.551699D -05
23	AX 22< #	8.513152D -04	3.256652D -04	3.136786D -05
24	AX 23< #	2.952261D -04	6.964703D -05	4.923838D -06
25	AX 24< #	8.759704D -05	2.151547D -05	1.825090D -06

E = 7.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.077997D 01	5.643988D 00	1.123510D 00
2	AX 1< #	3.142280D 01	-2.309346D 00	-1.280559D-01
3	AX 2< #	3.103084D 01	-2.865916D-01	5.732910D-01
4	AX 3< #	-1.648889D-01	-1.746807D-01	-4.084992D-02
5	AX 4< #	-1.073790D 01	1.183884D 00	7.715071D-03
6	AX 5< #	-5.405410D 00	-2.796618D-01	-1.656049D-02
7	AX 6< #	-1.073814D 00	-4.705740D-02	-6.803932D-02
8	AX 7< #	6.317942D-01	5.454328D-02	-2.370192D-02
9	AX 8< #	9.510317D-01	-9.166960D-02	-8.603245D-03
10	AX 9< #	7.838352D-01	-1.002093D-01	9.891526D-03
11	AX 10< #	5.529907D-01	-9.170170D-02	1.692805D-02
12	AX 11< #	3.960541D-01	-5.217345D-02	1.055735D-02
13	AX 12< #	3.495589D-01	-2.280285D-02	1.018224D-02
14	AX 13< #	2.650945D-01	-9.763441D-03	-1.311521D-03
15	AX 14< #	2.470748D-01	-8.219678D-03	8.605328D-04
16	AX 15< #	1.596582D-01	7.093421D-03	-3.675690D-04
17	AX 16< #	8.069914D-02	6.900839D-03	-5.196449D-04
18	AX 17< #	4.268876D-02	6.066653D-03	-2.559184D-04
19	AX 18< #	2.230923D-02	4.937178D-03	-5.630841D-05
20	AX 19< #	1.174363D-02	3.302369D-03	-9.287907D-05
21	AX 20< #	6.102361D-03	1.990496D-03	1.209653D-04
22	AX 21< #	3.019518D-03	1.050041D-03	8.904415D-05
23	AX 22< #	1.376094D-03	4.704158D-04	4.484250D-05
24	AX 23< #	5.055539D-04	1.222723D-04	9.039114D-06
25	AX 24< #	1.542147D-04	3.881126D-05	3.407333D-06

E = 8.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.445633D 01	6.899541D 00	1.261190D 00
2	AX 1< #	3.563297D 01	-3.283830D 00	-2.185855D-01
3	AX 2< #	4.012594D 01	4.834457D-01	6.909245D-01
4	AX 3< #	3.139475D 00	-4.710581D-01	-5.739213D-02
5	AX 4< #	-1.092177D 01	1.641560D 00	1.293837D-02
6	AX 5< #	-4.842638D 00	-3.402106D-01	-1.846746D-02
7	AX 6< #	-3.835873D-02	-6.756577D-02	-7.876852D-02
8	AX 7< #	1.588466D 00	6.753275D-02	-2.599461D-02
9	AX 8< #	1.684111D 00	-1.180631D-01	-9.892517D-03
10	AX 9< #	1.291256D 00	-1.278949D-01	1.146797D-02
11	AX 10< #	8.888743D-01	-1.163009D-01	1.978145D-02
12	AX 11< #	6.254108D-01	-6.130501D-02	1.254170D-02
13	AX 12< #	5.252702D-01	-3.344946D-02	1.240587D-02
14	AX 13< #	3.810435D-01	-1.450426D-02	1.730833D-03
15	AX 14< #	3.498265D-01	-1.364093D-02	1.245480D-03
16	AX 15< #	2.252308D-01	8.663238D-03	-4.222979D-04
17	AX 16< #	1.132491D-01	8.435389D-03	-6.200801D-04
18	AX 17< #	6.012697D-02	7.601417D-03	-3.347838D-04
19	AX 18< #	3.162297D-02	6.340853D-03	-9.907081D-05
20	AX 19< #	1.677690D-02	4.294563D-03	1.058758D-04
21	AX 20< #	8.801265D-03	2.617508D-03	1.521689D-04
22	AX 21< #	4.411027D-03	1.405407D-03	1.164460D-04
23	AX 22< #	2.048910D-03	6.504797D-04	6.137017D-05
24	AX 23< #	7.807715D-04	1.920846D-04	1.482451D-05
25	AX 24< #	2.425660D-04	6.205259D-05	5.637729D-06

E = 9.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.818787D 01	8.191428D 00	1.415038D 00
2	AX 1< #	4.027783D 01	-4.463054D 00	-3.331363D -01
3	AX 2< #	5.013618D 01	1.635460D 00	8.311026D -01
4	AX 3< #	8.258689D 00	-8.916795D -01	-7.682087D -02
5	AX 4< #	-1.011490D 01	2.187872D 00	2.113286D -02
6	AX 5< #	-3.743618D 00	-4.061169D -01	-1.986340D -02
7	AX 6< #	1.474624D 00	-9.249874D -02	-8.988203D -02
8	AX 7< #	2.856696D 00	8.109356D -02	-2.800362D -02
9	AX 8< #	2.631210D 00	-1.464626D -01	-1.130005D -02
10	AX 9< #	1.941639D 00	-1.568126D -01	1.299267D -02
11	AX 10< #	1.319998D 00	-1.418650D -01	2.263417D -02
12	AX 11< #	9.206920D -01	-6.974280D -02	1.450933D -02
13	AX 12< #	7.458320D -01	-4.531208D -02	1.479065D -02
14	AX 13< #	5.263744D -01	-1.923477D -02	2.197375D -03
15	AX 14< #	4.725528D -01	-1.982632D -02	1.705307D -03
16	AX 15< #	3.040086D -01	1.054390D -02	-4.717760D -04
17	AX 16< #	1.518493D -01	1.015270D -02	-7.249757D -04
18	AX 17< #	8.081559D -02	9.333864D -03	-4.249641D -04
19	AX 18< #	4.272327D -02	7.943767D -03	-1.521972D -04
20	AX 19< #	2.281027D -02	5.438301D -03	-1.175389D -04
21	AX 20< #	1.205899D -02	3.347328D -03	1.863859D -04
22	AX 21< #	6.104517D -03	1.825103D -03	1.477589D -04
23	AX 22< #	2.876325D -03	8.674647D -04	8.106930D -05
24	AX 23< #	1.124072D -03	2.800099D -04	2.240341D -05
25	AX 24< #	3.538163D -04	9.158342D -05	8.564242D -06

E = 10.00 eV, j = 2		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.199621D 01	9.479508D 00	1.579777D 00
2	AX 1< #	4.554307D 01	-5.846159D 00	-4.704485D -01
3	AX 2< #	6.077148D 01	3.170393D 00	9.914660D -01
4	AX 3< #	1.528875D 01	-1.434054D 00	-9.875242D -02
5	AX 4< #	-8.192048D 00	2.809963D 00	3.268472D -02
6	AX 5< #	-2.071312D 00	-4.762444D -01	-2.036386D -02
7	AX 6< #	3.510143D 00	-1.206089D -01	-1.011693D -01
8	AX 7< #	4.455764D 00	9.555221D -02	-2.971993D -02
9	AX 8< #	3.804789D 00	-1.747359D -01	-1.282773D -02
10	AX 9< #	2.743612D 00	-1.845840D -01	1.439712D -02
11	AX 10< #	1.852090D 00	-1.664697D -01	2.539276D -02
12	AX 11< #	1.286176D 00	-7.641147D -02	1.639065D -02
13	AX 12< #	1.013461D 00	-5.740316D -02	1.730155D -02
14	AX 13< #	7.037465D -01	-2.333191D -02	2.708679D -03
15	AX 14< #	6.159275D -01	-2.639161D -02	2.240958D -03
16	AX 15< #	3.968853D -01	1.281496D -02	-5.135897D -04
17	AX 16< #	1.967158D -01	1.206662D -02	-8.338756D -04
18	AX 17< #	1.048445D -01	1.127085D -02	-5.266371D -04
19	AX 18< #	5.565818D -02	9.750447D -03	-2.160647D -04
20	AX 19< #	2.987261D -02	6.737429D -03	-1.276824D -04
21	AX 20< #	1.589211D -02	4.182812D -03	2.235527D -04
22	AX 21< #	8.109974D -03	2.311260D -03	1.830293D -04
23	AX 22< #	3.863771D -03	1.122700D -03	1.040377D -04
24	AX 23< #	1.538098D -03	3.868143D -04	3.187791D -05
25	AX 24< #	4.889300D -04	1.276884D -04	1.222658D -05

E = 0.20 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.124784D-00	1.318653D-02	2.011897D-05
2	A% 1< #	-5.746995D-01	-3.338651D-03	2.697875D-05
3	A% 2< #	-2.002408D-01	-7.418453D-05	2.640889D-05
4	A% 3< #	-6.211539D-02	-1.311616D-03	1.481443D-05
5	A% 4< #	-3.409557D-02	-1.978911D-03	-1.978573D-06
6	A% 5< #	-2.637545D-02	-2.776451D-03	-1.845814D-05
7	A% 6< #	4.596686D-03	-1.108438D-03	-2.437152D-05
8	A% 7< #	9.431027D-03	-7.986164D-04	-2.892997D-05
9	A% 8< #	9.097727D-03	-7.301166D-04	-1.698218D-05
10	A% 9< #	7.880081D-03	-7.442709D-04	-2.358297D-06
11	A% 10< #	6.936857D-03	-8.137844D-04	9.224726D-06
12	A% 11< #	6.696930D-03	-8.298976D-04	1.651783D-05
13	A% 12< #	6.583070D-03	2.071654D-04	2.315704D-05
14	A% 13< #	-2.888145D-03	4.379202D-04	1.701546D-05
15	A% 14< #	-1.000465D-03	3.777014D-04	6.753679D-06
16	A% 15< #	-3.094536D-04	3.029285D-04	-5.426817D-06
17	A% 16< #	-3.929722D-05	2.304947D-04	-9.633579D-06
18	A% 17< #	7.143233D-05	1.549235D-04	-2.167631D-06
19	A% 18< #	1.149226D-04	9.314954D-05	1.528621D-06
20	A% 19< #	1.063769D-04	6.214075D-05	2.631975D-07
21	A% 20< #	8.345647D-05	4.135987D-05	2.008964D-07
22	A% 21< #	5.800625D-05	2.598537D-05	6.574261D-07
23	A% 22< #	3.597438D-05	1.398533D-05	9.847731D-07
24	A% 23< #	1.788007D-05	5.385592D-06	9.717615D-07
25	A% 24< #	7.147968D-06	2.143805D-06	3.754520D-07

E = 0.80 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.875106D-00	9.029703D-02	1.101810D-03
2	A% 1< #	-7.404763D-01	-7.253248D-02	-1.291373D-05
3	A% 2< #	-2.452111D-00	2.078776D-02	5.434528D-04
4	A% 3< #	-7.255259D-01	-5.000444D-03	4.046413D-05
5	A% 4< #	-2.253525D-01	-7.405484D-03	2.108235D-04
6	A% 5< #	-1.515722D-01	-1.204708D-02	3.125579D-06
7	A% 6< #	1.094936D-02	-1.317238D-03	3.539498D-04
8	A% 7< #	5.236399D-02	-7.830646D-04	8.181336D-05
9	A% 8< #	4.521305D-02	-5.747621D-04	2.437837D-05
10	A% 9< #	3.427159D-02	-9.558208D-04	-2.731602D-05
11	A% 10< #	2.686198D-02	-1.683649D-03	-1.994433D-05
12	A% 11< #	2.363425D-02	-2.760543D-03	5.511435D-05
13	A% 12< #	2.012405D-02	1.795837D-03	8.071597D-05
14	A% 13< #	-6.480461D-03	1.492627D-03	7.660422D-05
15	A% 14< #	-5.075837D-03	1.249605D-03	2.864551D-05
16	A% 15< #	-1.831349D-03	1.068460D-03	-3.029183D-05
17	A% 16< #	-7.508680D-04	8.308283D-04	-4.558075D-05
18	A% 17< #	-2.480974D-04	5.608690D-04	-9.564308D-06
19	A% 18< #	1.547630D-05	3.361465D-04	8.352238D-06
20	A% 19< #	9.354930D-05	2.123702D-04	5.020731D-06
21	A% 20< #	1.003845D-04	1.315234D-04	3.276090D-06
22	A% 21< #	7.892370D-05	7.439681D-05	2.741957D-06
23	A% 22< #	5.132434D-05	3.457611D-05	2.466615D-06
24	A% 23< #	2.421827D-05	8.155947D-06	1.954489D-06
25	A% 24< #	1.065387D-05	3.449836D-06	7.485429D-07

E = 1.20 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	9.078186D 00	1.825951D -01	1.186421D -02
2	A% 1< #	8.350433D -01	-1.853246D -01	-6.046387D -04
3	A% 2< #	-4.915989D 00	7.877288D -02	5.148169D -03
4	A% 3< #	-1.688118D -00	-7.757542D -03	2.095313D -05
5	A% 4< #	-1.757242D -01	-8.528212D -03	1.199724D -03
6	A% 5< #	-1.527329D -01	-1.763398D -02	3.166521D -04
7	A% 6< #	6.531216D -02	1.642140D -03	1.982514D -03
8	A% 7< #	1.278393D -01	1.473557D -03	7.389529D -04
9	A% 8< #	9.632300D -02	2.474844D -03	2.737286D -04
10	A% 9< #	6.629575D -02	1.449254D -03	-1.712491D -04
11	A% 10< #	4.689674D -02	-3.221416D -04	-2.798844D -04
12	A% 11< #	3.697957D -02	-3.018259D -03	-1.775273D -06
13	A% 12< #	2.811282D -02	3.913356D -03	4.039951D -05
14	A% 13< #	-2.952364D -03	1.999674D -03	1.360810D -04
15	A% 14< #	-5.943537D -03	1.658344D -03	5.651282D -05
16	A% 15< #	-1.724861D -03	1.531033D -03	-5.049441D -05
17	A% 16< #	-7.332707D -04	1.212908D -03	-7.330931D -05
18	A% 17< #	-2.707272D -04	8.307261D -04	-1.620370D -05
19	A% 18< #	-9.249653D -06	5.069251D -04	1.259701D -05
20	A% 19< #	7.177944D -05	3.154121D -04	9.720274D -06
21	A% 20< #	8.325805D -05	1.895200D -04	6.740387D -06
22	A% 21< #	6.566930D -05	1.017139D -04	4.631473D -06
23	A% 22< #	4.131311D -05	4.350377D -05	3.184162D -06
24	A% 23< #	1.665209D -05	6.371393D -06	1.973928D -06
25	A% 24< #	8.146514D -06	2.855372D -06	7.498047D -07

E = 1.60 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.256009D 01	3.541553D-01	9.552274D-02
2	A% 1< #	2.851229D 00	-3.929439D-01	-2.714667D-03
3	A% 2< #	-7.921973D 00	2.272838D-01	4.016577D-02
4	A% 3< #	-3.356733D 00	-1.232727D-02	7.096613D-05
5	A% 4< #	9.357802D-01	7.136475D-03	5.483172D-03
6	A% 5< #	1.783330D-01	-1.909350D-02	1.474557D-03
7	A% 6< #	3.020538D-01	8.882810D-03	7.288044D-03
8	A% 7< #	3.265870D-01	6.096920D-03	2.932512D-03
9	A% 8< #	2.127866D-01	1.067474D-02	1.072671D-03
10	A% 9< #	1.328703D-01	8.452473D-03	-7.126656D-04
11	A% 10< #	8.440856D-02	4.608752D-03	-1.244798D-03
12	A% 11< #	5.834735D-02	-1.069901D-03	-3.512857D-04
13	A% 12< #	3.960068D-02	7.724143D-03	-2.688313D-04
14	A% 13< #	4.799111D-03	2.339380D-03	2.305370D-04
15	A% 14< #	-4.549996D-03	1.883236D-03	1.110525D-04
16	A% 15< #	-2.064604D-04	1.976650D-03	-7.247584D-05
17	A% 16< #	-1.603080D-05	1.597067D-03	-1.034019D-04
18	A% 17< #	5.081082D-05	1.113766D-03	-2.452892D-05
19	A% 18< #	1.226691D-04	6.963772D-04	1.593035D-05
20	A% 19< #	1.186020D-04	4.306903D-04	1.510627D-05
21	A% 20< #	9.325191D-05	2.536674D-04	1.114148D-05
22	A% 21< #	6.073849D-05	1.309594D-04	7.044458D-06
23	A% 22< #	3.216102D-05	5.249724D-05	3.972963D-06
24	A% 23< #	7.915125D-06	3.932711D-06	1.777019D-06
25	A% 24< #	4.795819D-06	1.930933D-06	6.672168D-07



E = 2.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.877889D 01	1.135570D 00	8.950971D-01
2	A% 1< #	4.063097D 00	-8.273359D-01	-6.855324D-03
3	A% 2< #	-8.034737D 00	5.848265D-01	3.713332D-01
4	A% 3< #	-6.802789D 00	-1.979530D-02	9.047710D-04
5	A% 4< #	8.787009D 00	1.979201D-01	3.168683D-02
6	A% 5< #	-1.751306D-00	-3.956211D-03	5.574035D-03
7	A% 6< #	1.209671D 00	2.786026D-02	2.523633D-02
8	A% 7< #	9.451136D-01	1.544417D-02	-1.035014D-02
9	A% 8< #	5.455722D-01	3.459219D-02	3.707216D-03
10	A% 9< #	3.133388D-01	2.983208D-02	-2.697625D-03
11	A% 10< #	1.812590D-01	2.084114D-02	-4.726866D-03
12	A% 11< #	1.094011D-01	7.887410D-03	-1.831344D-03
13	A% 12< #	6.559438D-02	1.658508D-02	-1.603999D-03
14	A% 13< #	1.890327D-02	2.528602D-03	4.118037D-04
15	A% 14< #	-3.769888D-04	1.762612D-03	2.344242D-04
16	A% 15< #	2.947685D-03	2.414532D-03	-9.580234D-05
17	A% 16< #	1.532362D-03	1.990562D-03	-1.355971D-04
18	A% 17< #	7.995430D-04	1.416087D-03	-3.466680D-05
19	A% 18< #	4.647981D-04	9.096010D-04	1.806845D-05
20	A% 19< #	2.682843D-04	5.625092D-04	2.094565D-05
21	A% 20< #	1.519491D-04	3.273652D-04	1.639449D-05
22	A% 21< #	7.716940D-05	1.646883D-04	1.003363D-05
23	A% 22< #	3.126573D-05	6.324691D-05	4.958411D-06
24	A% 23< #	1.603236D-06	1.819503D-06	1.490964D-06
25	A% 24< #	1.911524D-06	1.040251D-06	5.500652D-07

E = 2.10 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.243399D 01	1.879850D 00	1.722699D 00
2	A% 1< #	4.021571D 00	-9.917981D-01	-6.054581D-03
3	A% 2< #	-3.395913D 00	6.794333D-01	7.132401D-01
4	A% 3< #	-8.196434D 00	-1.607865D-02	1.680017D-03
5	A% 4< #	1.542342D 01	4.051879D-01	5.459026D-02
6	A% 5< #	2.610598D 00	5.804400D-03	7.649522D-03
7	A% 6< #	1.685751D 00	3.661651D-02	3.422864D-02
8	A% 7< #	1.252809D 00	1.913777D-02	1.405884D-02
9	A% 8< #	7.070731D-01	4.596268D-02	5.009217D-03
10	A% 9< #	4.002312D-01	4.016539D-02	-3.726507D-03
11	A% 10< #	2.277365D-01	2.882818D-02	-6.519076D-03
12	A% 11< #	1.336046D-01	1.252606D-02	-2.636069D-03
13	A% 12< #	7.788806D-02	2.051929D-02	-2.329955D-03
14	A% 13< #	2.456628D-02	2.583305D-03	4.799774D-04
15	A% 14< #	1.473416D-03	1.653026D-03	2.837740D-04
16	A% 15< #	4.010406D-03	2.523335D-03	-1.017664D-04
17	A% 16< #	2.060178D-03	2.090829D-03	-1.439054D-04
18	A% 17< #	1.060445D-03	1.495149D-03	-3.751872D-05
19	A% 18< #	5.877661D-04	9.670284D-04	1.837520D-05
20	A% 19< #	3.246593D-04	5.984053D-04	2.245724D-05
21	A% 20< #	1.760449D-04	3.475634D-04	1.783373D-05
22	A% 21< #	8.570719D-05	1.740335D-04	1.087545D-05
23	A% 22< #	3.295135D-05	6.635027D-05	5.246166D-06
24	A% 23< #	7.041948D-07	1.423843D-06	1.416278D-06
25	A% 24< #	1.372966D-06	8.533070D-07	5.195048D-07

E = 2.20 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.880880D 01	3.461399D 00	3.470085D 00
2	A% 1< #	4.075102D 00	-1.118373D 00	7.258285D 04
3	A% 2< #	1.019499D 01	6.166204D 01	1.434458D 00
4	A% 3< #	-9.487447D 00	4.955536D 03	3.053098D 03
5	A% 4< #	2.768799D 01	8.539390D 01	9.882161D 02
6	A% 5< #	3.552706D 00	1.569353D 02	9.808390D 03
7	A% 6< #	2.202262D 00	4.584075D 02	4.368595D 02
8	A% 7< #	1.585020D 00	2.276361D 02	1.791681D 02
9	A% 8< #	8.830079D 01	5.761546D 02	6.361709D 03
10	A% 9< #	4.959264D 01	5.076762D 02	-4.827278D 03
11	A% 10< #	2.798617D 01	3.700761D 02	-8.427676D 03
12	A% 11< #	1.610899D 01	1.723415D 02	-3.527611D 03
13	A% 12< #	9.246942D 02	2.450404D 02	-3.129686D 03
14	A% 13< #	3.157046D 02	2.692092D 03	5.381966D 04
15	A% 14< #	4.299340D 03	1.576068D 03	3.253061D 04
16	A% 15< #	5.188420D 03	2.632330D 03	-1.078351D 04
17	A% 16< #	2.647135D 03	2.192153D 03	-1.523765D 04
18	A% 17< #	1.352396D 03	1.575748D 03	-4.046501D 05
19	A% 18< #	7.265615D 04	1.026208D 03	1.861139D 05
20	A% 19< #	3.892426D 04	6.355522D 04	2.398602D 05
21	A% 20< #	2.043019D 04	3.685301D 04	1.932217D 05
22	A% 21< #	9.625230D 05	1.837864D 04	1.175592D 05
23	A% 22< #	3.553452D 05	6.964987D 05	5.552548D 06
24	A% 23< #	1.416149D 07	1.098785D 06	1.342559D 06
25	A% 24< #	9.309863D 07	6.871997D 07	4.893231D 07

E = 2.30 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.906475D 01	6.538946D 00	6.778433D 00
2	A% 1< #	5.517355D 00	-9.555849D 01	2.389191D 02
3	A% 2< #	4.318019D 01	-3.308091D 02	2.798819D 00
4	A% 3< #	-8.620237D 00	7.390514D 02	4.905753D 03
5	A% 4< #	4.710562D 01	1.728720D 00	1.740550D 01
6	A% 5< #	3.465620D 00	8.785938D 03	9.273464D 03
7	A% 6< #	2.157563D 00	4.531947D 02	4.183504D 02
8	A% 7< #	1.573966D 00	2.256985D 02	1.703787D 02
9	A% 8< #	8.887437D 01	5.489369D 02	6.046894D 03
10	A% 9< #	5.060079D 01	4.813527D 02	-4.664601D 03
11	A% 10< #	2.898263D 01	3.467164D 02	-8.120931D 03
12	A% 11< #	1.682109D 01	1.538822D 02	-3.483755D 03
13	A% 12< #	9.926253D 02	2.377773D 02	-3.070891D 03
14	A% 13< #	3.801693D 02	2.919860D 03	4.974891D 04
15	A% 14< #	9.149541D 03	1.803388D 03	2.880776D 04
16	A% 15< #	6.482856D 03	2.741427D 03	-1.139606D 04
17	A% 16< #	3.294082D 03	2.294502D 03	-1.609658D 04
18	A% 17< #	1.676040D 03	1.657920D 03	-4.353614D 05
19	A% 18< #	8.817055D 04	1.087183D 03	1.875425D 05
20	A% 19< #	4.623092D 04	6.739946D 04	2.552877D 05
21	A% 20< #	2.368952D 04	3.903000D 04	2.085906D 05
22	A% 21< #	1.089125D 04	1.939749D 04	1.267616D 05
23	A% 22< #	3.907575D 05	7.316179D 05	5.878736D 06
24	A% 23< #	-5.553329D 08	8.521199D 07	1.270707D 06
25	A% 24< #	5.959186D 07	5.447941D 07	4.599042D 07

E = 2.32 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.128287D 01	7.301722D 00	7.575313D 00
2	A% 1< #	6.207972D 00	-8.467739D-01	3.141981D-02
3	A% 2< #	5.242353D 01	-2.869337D-01	3.127325D 00
4	A% 3< #	-8.261574D 00	5.611823D-02	5.181469D-03
5	A% 4< #	5.105976D 01	1.944383D 00	1.906033D-01
6	A% 5< #	3.091397D 00	2.042503D-03	8.284926D-03
7	A% 6< #	1.955926D 00	4.197257D-02	3.772456D-02
8	A% 7< #	1.454125D 00	2.136206D-02	1.531001D-02
9	A% 8< #	8.308767D-01	4.971156D-02	5.439657D-03
10	A% 9< #	4.777160D-01	4.332880D-02	-4.204949D-03
11	A% 10< #	2.763898D-01	3.081133D-02	-7.315062D-03
12	A% 11< #	1.619696D-01	1.292581D-02	-3.145572D-03
13	A% 12< #	9.730658D-02	2.212676D-02	-2.758853D-03
14	A% 13< #	3.863951D-02	2.979891D-03	4.622668D-04
15	A% 14< #	1.041530D-02	1.930547D-03	2.589483D-04
16	A% 15< #	6.755857D-03	2.763258D-03	-1.151964D-04
17	A% 16< #	3.430767D-03	2.315100D-03	-1.626969D-04
18	A% 17< #	1.744625D-03	1.674545D-03	-4.416513D-05
19	A% 18< #	9.147304D-04	1.099595D-03	1.877168D-05
20	A% 19< #	4.779623D-04	6.818399D-04	2.583899D-05
21	A% 20< #	2.439479D-04	3.947518D-04	2.117222D-05
22	A% 21< #	1.117068D-04	1.960661D-04	1.286495D-05
23	A% 22< #	3.990370D-05	7.389051D-05	5.946387D-06
24	A% 23< #	-4.872687D-08	8.128401D-07	1.256640D-06
25	A% 24< #	5.426005D-07	5.193990D-07	4.541456D-07

E = 2.34 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.332013D 01	8.053237D 00	8.347466D 00
2	A% 1< #	7.074487D 00	-7.067201D-01	3.960709D-02
3	A% 2< #	6.203771D 01	-5.828059D-01	3.445507D 00
4	A% 3< #	-7.362770D 00	1.205688D-01	5.371139D-03
5	A% 4< #	5.451421D 01	2.155952D 00	2.058307D-01
6	A% 5< #	2.545578D 00	-7.179463D-03	6.882240D-03
7	A% 6< #	1.662045D 00	3.709665D-02	3.185625D-02
8	A% 7< #	1.278047D 00	1.962745D-02	1.285618D-02
9	A% 8< #	7.446506D-01	4.237484D-02	4.578067D-03
10	A% 9< #	4.347252D-01	3.653092D-02	-3.542383D-03
11	A% 10< #	2.553620D-01	2.537427D-02	-6.156236D-03
12	A% 11< #	1.519125D-01	9.496397D-03	-2.647576D-03
13	A% 12< #	9.362531D-02	1.977941D-02	-2.301877D-03
14	A% 13< #	3.884147D-02	3.040518D-03	4.155958D-04
15	A% 14< #	1.173948D-02	2.091425D-03	2.206758D-04
16	A% 15< #	7.033607D-03	2.785099D-03	-1.164265D-04
17	A% 16< #	3.569915D-03	2.335741D-03	-1.644293D-04
18	A% 17< #	1.814512D-03	1.691232D-03	-4.479861D-05
19	A% 18< #	9.484298D-04	1.112078D-03	1.878534D-05
20	A% 19< #	4.939674D-04	6.897370D-04	2.614965D-05
21	A% 20< #	2.511822D-04	3.992363D-04	2.148725D-05
22	A% 21< #	1.145899D-04	1.961746D-04	1.305530D-05
23	A% 22< #	4.077228D-05	7.462762D-05	6.014801D-06
24	A% 23< #	-2.605095D-08	7.770226D-07	1.242679D-06
25	A% 24< #	4.940215D-07	4.950807D-07	4.484351D-07

E = 2.36 eV, j = 3			j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.502583D	01	8.746523D	9.043329D
2	A% 1< #	8.108529D	00	-5.382060D	4.816929D
3	A% 2< #	7.151167D	01	-9.109948D	3.732153D
4	A% 3< #	-6.234271D	00	1.462481D	5.430831D
5	A% 4< #	5.716012D	01	2.349885D	2.185557D
6	A% 5< #	1.826630D	00	-1.884592D	5.069296D
7	A% 6< #	1.275349D	00	3.069557D	2.423632D
8	A% 7< #	1.045433D	00	1.738259D	9.680890D
9	A% 8< #	6.298332D	01	3.290755D	3.464185D
10	A% 9< #	3.768392D	01	2.776289D	-2.676459D
11	A% 10< #	2.265804D	01	1.837788D	-4.644205D
12	A% 11< #	1.379335D	01	5.113860D	-1.987674D
13	A% 12< #	8.813043D	02	1.674560D	-1.698201D
14	A% 13< #	3.856268D	02	3.098018D	3.583363D
15	A% 14< #	1.307654D	02	2.283050D	1.738946D
16	A% 15< #	7.316088D	03	2.806948D	-1.176578D
17	A% 16< #	3.711518D	03	2.356431D	-1.661651D
18	A% 17< #	1.885699D	03	1.707986D	-4.543678D
19	A% 18< #	9.828047D	04	1.124636D	1.879544D
20	A% 19< #	5.103258D	04	6.976883D	2.646091D
21	A% 20< #	2.585979D	04	4.037534D	2.180418D
22	A% 21< #	1.175624D	04	2.003008D	1.324718D
23	A% 22< #	4.168215D	05	7.537382D	-6.084047D
24	A% 23< #	1.275044D	08	7.447554D	1.228848D
25	A% 24< #	4.502551D	07	4.718594D	4.427754D

E = 2.38 eV, j = 3			j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.625716D	01	9.331547D	9.609536D
2	A% 1< #	9.279132D	00	-3.481874D	5.662772D
3	A% 2< #	8.023960D	01	-1.255698D	3.965268D
4	A% 3< #	-4.917296D	00	1.717716D	5.335996D
5	A% 4< #	5.872072D	01	2.511855D	2.276495D
6	A% 5< #	9.540997D	01	-3.261272D	2.900176D
7	A% 6< #	8.066265D	01	2.296269D	1.509001D
8	A% 7< #	7.629142D	01	1.471049D	5.879522D
9	A% 8< #	4.896821D	01	2.160298D	2.131710D
10	A% 9< #	3.056643D	01	1.729346D	-1.631727D
11	A% 10< #	1.908077D	01	1.003591D	-2.822334D
12	A% 11< #	1.203891D	01	-8.665320D	-1.183262D
13	A% 12< #	8.093915D	02	1.312206D	-9.639114D
14	A% 13< #	3.779150D	02	3.148171D	2.928140D
15	A% 14< #	1.437041D	02	2.497937D	1.204522D
16	A% 15< #	7.603325D	03	2.828802D	-1.188900D
17	A% 16< #	3.855593D	03	2.377166D	-1.679043D
18	A% 17< #	1.958197D	03	1.724805D	-4.608016D
19	A% 18< #	1.017860D	03	1.137268D	1.880158D
20	A% 19< #	5.270404D	04	7.056932D	2.677272D
21	A% 20< #	2.661977D	04	4.083043D	2.212310D
22	A% 21< #	1.206262D	04	2.024460D	1.344072D
23	A% 22< #	4.263381D	05	7.612922D	6.154113D
24	A% 23< #	6.784079D	08	7.160647D	1.215135D
25	A% 24< #	4.113734D	07	4.497554D	4.371693D

E = 2.40 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.691052D 01	9.764845D 00	1.000149D 01
2	A% 1< #	1.053407D 01	-1.472449D -01	6.447265D -02
3	A% 2< #	8.762486D 01	-1.596909D 00	4.126432D 00
4	A% 3< #	-3.482240D 00	1.955718D -01	5.078639D -03
5	A% 4< #	5.901571D 01	2.629528D 00	2.322788D -01
6	A% 5< #	-3.056412D -02	-4.782894D -02	4.803685D -04
7	A% 6< #	2.787182D -01	1.428464D -02	4.855721D -03
8	A% 7< #	4.443757D -01	1.176014D =02	1.638938D =03
9	A% 8< #	3.308508D -01	9.020359D -03	6.443809D -04
10	A% 9< #	2.246109D -01	5.638929D =03	-4.587449D =04
11	A% 10< #	1.497454D -01	7.585660D -04	-7.785948D -04
12	A% 11< #	1.001064D -01	-5.850494D -03	-2.720692D -04
13	A% 12< #	7.238583D -02	9.091621D -03	-1.343023D -04
14	A% 13< #	3.656971D -02	3.186940D -03	2.224522D =04
15	A% 14< #	1.556098D -02	2.724748D -03	6.333162D -05
16	A% 15< #	7.894183D -03	2.850796D =03	-1.199324D -04
17	A% 16< #	4.001717D -03	2.398060D -03	-1.694732D -04
18	A% 17< #	2.031836D =03	1.741652D -03	-4.675756D =05
19	A% 18< #	1.053600D -03	1.149941D -03	1.878128D -05
20	A% 19< #	5.441143D -04	7.137532D -04	2.708486D -05
21	A% 20< #	2.739832D -04	4.128896D -04	2.244383D -05
22	A% 21< #	1.237816D -04	2.046099D -04	1.363587D -05
23	A% 22< #	4.362809D -05	7.689458D -05	6.225050D -06
24	A% 23< #	1.394122D =07	6.909950D -07	1.201539D -06
25	A% 24< #	3.774479D -07	4.287884D -07	4.316194D -07

E = 2.42 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.694763D 01	1.001912D 01	1.019342D 01
2	A% 1< #	1.180758D 01	5.198472D -02	7.115033D -02
3	A% 2< #	9.320176D 01	-1.913748D 00	4.205204D 00
4	A% 3< #	-2.018090D 00	2.162468D -01	4.666630D -03
5	A% 4< #	5.801122D 01	2.695316D 00	2.321167D -01
6	A% 5< #	-1.069903D 00	-6.362245D -02	-2.045195D -03
7	A% 6< #	-2.778652D -01	5.195793D -03	-5.829827D -03
8	A% 7< #	1.086140D -01	8.721547D -03	-2.790650D -03
9	A% 8< #	1.633967D -01	-4.082191D -03	-9.035159D -04
10	A% 9< #	1.387262D -01	-6.504061D -03	7.742605D -04
11	A% 10< #	1.059602D -01	-8.902390D -03	1.366781D -03
12	A% 11< #	7.836727D -02	-1.183634D -02	6.927286D -04
13	A% 12< #	6.302583D -02	4.899879D -03	7.438439D -04
14	A% 13< #	3.501416D -02	3.211645D -03	1.522629D -04
15	A% 14< #	1.660570D -02	2.949627D -03	5.988921D -06
16	A% 15< #	8.190927D -03	2.872658D -03	-1.211670D -04
17	A% 16< #	4.150729D -03	2.418887D -03	-1.712169D -04
18	A% 17< #	2.106957D -03	1.758601D -03	-4.741117D -05
19	A% 18< #	1.090020D -03	1.162721D -03	1.877967D -05
20	A% 19< #	5.615464D -04	7.218656D -04	2.739748D -05
21	A% 20< #	2.819538D -04	4.175074D -04	2.276634D -05
22	A% 21< #	1.270289D -04	2.067922D -04	1.383260D -05
23	A% 22< #	4.466495D -05	7.766934D -05	6.296836D -06
24	A% 23< #	2.277008D -07	6.696300D -07	1.188086D -06
25	A% 24< #	3.485491D -07	4.089780D -07	4.261284D -07

E = 2.44 eV, j = 3				j' = j				j' = j + 2				j' = j + 4			
1	A% 0<	#	4.640372D	01	1.008903D	01	1.018397D	01	1.008903D	01	1.018397D	01	1.008903D	01	1.018397D
2	A% 1<	#	1.303387D	01	2.375721D	-01	7.639127D	-02	2.375721D	-01	7.639127D	-02	2.375721D	-01	7.639127D
3	A% 2<	#	9.673190D	01	-2.189041D	00	4.200902D	00	-2.189041D	00	4.200902D	00	-2.189041D	00	4.200902D
4	A% 3<	#	-6.145710D	-01	2.327440D	-01	4.130973D	-03	2.327440D	-01	4.130973D	-03	2.327440D	-01	4.130973D
5	A% 4<	#	5.582624D	01	2.707981D	00	2.274066D	-01	2.707981D	00	2.274066D	-01	2.707981D	00	2.274066D
6	A% 5<	#	-2.101616D	00	-7.908558D	-02	-4.528057D	-03	-7.908558D	-02	-4.528057D	-03	-7.908558D	-02	-4.528057D
7	A% 6<	#	-8.293285D	-01	-7.756205D	-03	-1.634734D	-02	-7.756205D	-03	-1.634734D	-02	-7.756205D	-03	-1.634734D
8	A% 7<	#	-2.238092D	-01	5.790339D	-03	-7.142576D	-03	5.790339D	-03	-7.142576D	-03	5.790339D	-03	-7.142576D
9	A% 8<	#	-2.681038D	-03	-1.691880D	-02	-2.423389D	-03	-1.691880D	-02	-2.423389D	-03	-1.691880D	-02	-2.423389D
10	A% 9<	#	5.326106D	-02	-1.840839D	-02	1.992926D	-03	-1.840839D	-02	1.992926D	-03	-1.840839D	-02	1.992926D
11	A% 10<	#	6.215206D	-02	-1.837091D	-02	3.485198D	-03	-1.837091D	-02	3.485198D	-03	-1.837091D	-02	3.485198D
12	A% 11<	#	5.652071D	-02	-1.768979D	-02	1.653656D	-03	-1.768979D	-02	1.653656D	-03	-1.768979D	-02	1.653656D
13	A% 12<	#	5.346142D	-02	8.013256D	-04	1.617165D	-03	8.013256D	-04	1.617165D	-03	8.013256D	-04	1.617165D
14	A% 13<	#	3.326289D	-02	3.220946D	-03	8.627178D	-05	3.220946D	-03	8.627178D	-05	3.220946D	-03	8.627178D
15	A% 14<	#	1.707437D	-02	3.159630D	-03	-4.802427D	-05	3.159630D	-03	-4.802427D	-05	3.159630D	-03	-4.802427D
16	A% 15<	#	8.492450D	-03	2.894533D	-03	-1.223971D	-04	2.894533D	-03	-1.223971D	-04	2.894533D	-03	-1.223971D
17	A% 16<	#	4.302216D	-03	2.439763D	-03	-1.729637D	-04	2.439763D	-03	-1.729637D	-04	2.439763D	-03	-1.729637D
18	A% 17<	#	2.183395D	-03	1.775618D	-03	-4.806985D	-05	1.775618D	-03	-4.806985D	-05	1.775618D	-03	-4.806985D
19	A% 18<	#	1.127127D	-03	1.175576D	-03	1.877403D	-05	1.175576D	-03	1.877403D	-05	1.175576D	-03	1.877403D
20	A% 19<	#	5.793388D	-04	7.300322D	-04	2.771028D	-05	7.300322D	-04	2.771028D	-05	7.300322D	-04	2.771028D
21	A% 20<	#	2.901114D	-04	4.221596D	-04	2.309072D	-05	4.221596D	-04	2.309072D	-05	4.221596D	-04	2.309072D
22	A% 21<	#	1.303692D	-04	2.089939D	-04	1.403099D	-05	2.089939D	-04	1.403099D	-05	2.089939D	-04	1.403099D
23	A% 22<	#	4.574450D	-05	7.845315D	-05	6.369487D	-06	7.845315D	-05	6.369487D	-06	7.845315D	-05	6.369487D
24	A% 23<	#	3.329114D	-07	6.520333D	-07	1.174792D	-06	6.520333D	-07	1.174792D	-06	6.520333D	-07	1.174792D
25	A% 24<	#	3.247466D	-07	3.903435D	-07	4.206990D	-07	3.903435D	-07	4.206990D	-07	3.903435D	-07	4.206990D

E = 2.46 eV, j = 3				j' = j				j' = j + 2				j' = j + 4			
1	A% 0<	#	4.537569D	01	9.990353D	00	9.994396D	00	9.990353D	00	9.994396D	00	9.990353D	00	9.994396D
2	A% 1<	#	1.415863D	01	4.001720D	-01	8.002895D	-02	4.001720D	-01	8.002895D	-02	4.001720D	-01	8.002895D
3	A% 2<	#	9.822885D	01	-2.411787D	00	4.122366D	00	-2.411787D	00	4.122366D	00	-2.411787D	00	4.122366D
4	A% 3<	#	6.539597D	-01	2.446183D	-01	3.509940D	-03	2.446183D	-01	3.509940D	-03	2.446183D	-01	3.509940D
5	A% 4<	#	5.270093D	01	2.672339D	00	2.188730D	-01	2.672339D	00	2.188730D	-01	2.672339D	00	2.188730D
6	A% 5<	#	-3.070249D	00	-9.343283D	-02	-6.835375D	-03	-9.343283D	-02	-6.835375D	-03	-9.343283D	-02	-6.835375D
7	A% 6<	#	-1.345921D	00	-1.208219D	-02	-2.613606D	-02	-1.208219D	-02	-2.613606D	-02	-1.208219D	-02	-2.613606D
8	A% 7<	#	-5.347583D	-01	3.132442D	-03	-1.118537D	-02	3.132442D	-03	-1.118537D	-02	3.132442D	-03	-1.118537D
9	A% 8<	#	-1.582166D	-01	-2.880424D	-02	-3.834145D	-03	-2.880424D	-02	-3.834145D	-03	-2.880424D	-02	-3.834145D
10	A% 9<	#	-2.700992D	-02	-2.944062D	-02	3.132157D	-03	-2.944062D	-02	3.132157D	-03	-2.944062D	-02	3.132157D
11	A% 10<	#	2.080316D	-02	-2.714542D	-02	5.463438D	-03	-2.714542D	-02	5.463438D	-03	-2.714542D	-02	5.463438D
12	A% 11<	#	3.582096D	-02	-2.310427D	-02	2.558845D	-03	-2.310427D	-02	2.558845D	-03	-2.310427D	-02	2.558845D
13	A% 12<	#	4.427155D	-02	-2.983141D	-03	2.438824D	-03	-2.983141D	-03	2.438824D	-03	-2.983141D	-03	2.438824D
14	A% 13<	#	3.146828D	-02	3.215522D	-03	2.796759D	-05	3.215522D	-03	2.796759D	-05	3.215522D	-03	2.796759D
15	A% 14<	#	1.816247D	-02	3.344592D	-03	-9.594424D	-05	3.344592D	-03	-9.594424D	-05	3.344592D	-03	-9.594424D
16	A% 15<	#	8.798766D	-03	2.916417D	-03	-1.236304D	-04	2.916417D	-03	-1.236304D	-04	2.916417D	-03	-1.236304D
17	A% 16<	#	4.456182D	-03	2.460685D	-03	-1.747153D	-04	2.460685D	-03	-1.747153D	-04	2.460685D	-03	-1.747153D
18	A% 17<	#	2.261157D	-03	1.792704D	-03	-4.873370D	-05	1.792704D	-03	-4.873370D	-05	1.792704D	-03	-4.873370D
19	A% 18<	#	1.164923D	-03	1.188508D	-03	1.876445D	-05	1.188508D	-03	1.876445D	-05	1.188508D	-03	1.876445D
20	A% 19<	#	5.974944D	-04	7.382549D	-04	2.802364D	-05	7.382549D	-04	2.802364D	-05	7.382549D	-04	2.802364D
21	A% 20<	#	2.984576D	-04	4.268473D	-04	2.341713D	-05	4.268473D	-04	2.341713D	-05	4.268473D	-04	2.341713D
22	A% 21<	#	1.338030D	-04	2.112148D	-04	1.423102D	-05	2.112148D	-04	1.423102D	-05	2.112148D	-04	1.423102D
23	A% 22<	#	4.686765D	-05	7.924698D	-05	6.443014D	-06	7.924698D	-05	6.443014D	-06	7.924698D	-05	6.443014D
24	A% 23<	#	4.552319D	-07	6.382562D	-07	1.161664D	-06	6.382562D	-07	1.161664D	-06	6.382562D	-07	1.161664D
25	A% 24<	#	3.061092D	-07	3.729041D	-07	4.153337D	-07	3.729041D	-07	4.153337D	-07	3.729041D	-07	4.153337D

E = 2.48 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.399528D 01	9.753960D 00	9.661350D 00
2	A% 1< #	1.514703D 01	5.343770D-01	8.211085D-02
3	A% 2< #	9.791676D 01	-2.578298D 00	3.984725D 00
4	A% 3< #	1.739382D 00	2.519720D-01	2.845277D-03
5	A% 4< #	4.893460D 01	2.597481D 00	2.075261D-01
6	A% 5< #	-3.935993D 00	-1.061239D-01	-8.875216D-03
7	A% 6< #	-1.806391D 00	-1.943856D-02	-3.480246D-02
8	A% 7< #	-8.112994D-01	8.576523D-04	-1.475742D-02
9	A% 8< #	-2.966398D-01	-3.926499D-02	-5.079466D-03
10	A% 9< #	-9.863256D-02	-3.916211D-02	4.145715D-03
11	A% 10< #	-1.626549D-02	-3.487939D-02	7.221414D-03
12	A% 11< #	1.719849D-02	-2.786908D-02	3.370805D-03
13	A% 12< #	3.590225D-02	-6.301709D-03	3.174976D-03
14	A% 13< #	2.976295D-02	3.197378D-03	-2.055946D-05
15	A% 14< #	1.868596D-02	3.498570D-03	-1.360812D-04
16	A% 15< #	9.109892D-03	2.938308D-03	-1.248657D-04
17	A% 16< #	4.612632D-03	2.481653D-03	-1.764713D-04
18	A% 17< #	2.340245D-03	1.809856D-03	-4.940242D-05
19	A% 18< #	1.203412D-03	1.201514D-03	1.875116D-05
20	A% 19< #	6.160139D-04	7.465324D-04	2.833753D-05
21	A% 20< #	3.069929D-04	4.315697D-04	2.374543D-05
22	A% 21< #	1.373311D-04	2.134553D-04	1.443263D-05
23	A% 22< #	4.803451D-05	8.005048D-05	6.517422D-06
24	A% 23< #	5.948482D-07	6.283493D-07	1.148707D-06
25	A% 24< #	2.927047D-07	3.566785D-07	4.100350D-07

E = 2.50 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.240000D 01	9.417390D 00	9.227437D 00
2	A% 1< #	1.598489D 01	6.387485D-01	8.294703D-02
3	A% 2< #	9.614651D 01	-2.691126D 00	3.805529D 00
4	A% 3< #	2.621555D 00	-2.553057D-01	2.160331D-03
5	A% 4< #	4.482439D 01	2.494348D 00	1.944361D-01
6	A% 5< #	-4.677515D 00	-1.168946D-01	-1.060241D-02
7	A% 6< #	-2.199464D 00	-2.564913D-02	-4.214514D-02
8	A% 7< #	-1.046592D 00	-9.849758D-04	-1.777700D-02
9	A% 8< #	-4.144392D-01	-4.806765D-02	-6.131254D-03
10	A% 9< #	-1.597271D-01	-4.735593D-02	5.009286D-03
11	A% 10< #	-4.803577D-02	-4.140161D-02	8.717447D-03
12	A% 11< #	1.184281D-03	-3.188163D-02	4.069254D-03
13	A% 12< #	2.862524D-02	-9.080422D-03	3.807206D-03
14	A% 13< #	2.824295D-02	3.169195D-03	-5.863985D-05
15	A% 14< #	1.907396D-02	3.619825D-03	-1.678417D-04
16	A% 15< #	9.425854D-03	2.960213D-03	-1.260956D-04
17	A% 16< #	4.771572D-03	2.502665D-03	-1.782299D-04
18	A% 17< #	2.420665D-03	1.827075D-03	-5.007574D-05
19	A% 18< #	1.242596D-03	1.214596D-03	1.873398D-05
20	A% 19< #	6.348988D-04	7.548642D-04	2.865169D-05
21	A% 20< #	3.157182D-04	4.363263D-04	2.407548D-05
22	A% 21< #	1.409535D-04	2.157144D-04	1.463581D-05
23	A% 22< #	4.924518D-05	8.086322D-05	6.592687D-06
24	A% 23< #	7.519438D-07	6.223625D-07	1.135929D-06
25	A% 24< #	2.846003D-07	3.416855D-07	4.048055D-07

E = 2.52 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.071134D 01	9.017514D 00	6.733445D 00
2	A% 1< #	1.667442D 01	7.144218D-01	6.231577D-02
3	A% 2< #	9.330779D 01	-2.756780D 00	3.601687D 00
4	A% 3< #	3.302857D 00	2.555531D-01	1.540747D-03
5	A% 4< #	4.062199D 01	2.373550D 00	1.805366D-01
6	A% 5< #	-5.289863D 00	-1.257489D-01	-1.200294D-02
7	A% 6< #	-2.522506D 00	-3.068100D-02	-4.813061D-02
8	A% 7< #	-1.239075D 00	-2.397736D-03	-2.023209D-02
9	A% 8< #	-5.107613D-01	-5.518307D-02	-6.985045D-03
10	A% 9< #	-2.097916D-01	-5.399207D-02	5.717716D-03
11	A% 10< #	-7.420059D-02	-4.668863D-02	9.942851D-03
12	A% 11< #	-1.204823D-02	-3.513053D-02	4.648200D-03
13	A% 12< #	2.255118D-02	-1.131033D-02	4.331260D-03
14	A% 13< #	2.696524D-02	3.134029D-03	-8.646364D-05
15	A% 14< #	1.936103D-02	3.709939D-03	-1.915753D-04
16	A% 15< #	9.746640D-03	2.982071D-03	-1.273537D-04
17	A% 16< #	4.933010D-03	2.523721D-03	-1.799962D-04
18	A% 17< #	2.502420D-03	1.844363D-03	-5.075440D-05
19	A% 18< #	1.282478D-03	1.227754D-03	1.871282D-05
20	A% 19< #	6.541518D-04	7.632517D-04	2.896623D-05
21	A% 20< #	3.246350D-04	4.411182D-04	2.440747D-05
22	A% 21< #	1.446716D-04	2.179933D-04	1.464063D-05
23	A% 22< #	5.050075D-05	8.168652D-05	6.668877D-06
24	A% 23< #	9.267112D-07	6.203471D-07	1.123336D-06
25	A% 24< #	2.818631D-07	3.279436D-07	3.996486D-07

E = 2.54 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.902363D 01	8.585749D 00	6.213209D 00
2	A% 1< #	1.722991D 01	7.652209D-01	8.107850D-02
3	A% 2< #	6.976602D 01	-2.763890D 00	3.367055D 00
4	A% 3< #	3.802238D 00	2.531662D-01	9.301350D-04
5	A% 4< #	3.651526D 01	2.244157D 00	1.665957D-01
6	A% 5< #	-5.779616D 00	-1.327578D-01	-1.310777D-02
7	A% 6< #	-2.779550D 00	-3.460917D-02	-5.284453D-02
8	A% 7< #	-1.391226D 00	-3.411522D-03	-2.215908D-02
9	A% 8< #	-5.868064D-01	-6.072297D-02	-7.653967D-03
10	A% 9< #	-2.493963D-01	-5.917628D-02	6.280715D-03
11	A% 10< #	-9.501308D-02	-5.082592D-02	1.091468D-02
12	A% 11< #	-2.260936D-02	-3.767033D-02	5.114460D-03
13	A% 12< #	1.765704D-02	-1.303095D-02	4.752208D-03
14	A% 13< #	2.594930D-02	3.094309D-03	-1.054245D-04
15	A% 14< #	1.958015D-02	3.772491D-03	-2.080801D-04
16	A% 15< #	1.007232D-02	3.003992D-03	-1.285950D-04
17	A% 16< #	5.096951D-03	2.544820D-03	-1.817655D-04
18	A% 17< #	2.585514D-03	1.861716D-03	-5.143759D-05
19	A% 18< #	1.323058D-03	1.240986D-03	1.868787D-05
20	A% 19< #	6.737729D-04	7.716933D-04	2.928116D-05
21	A% 20< #	3.337435D-04	4.459441D-04	2.474125D-05
22	A% 21< #	1.484854D-04	2.202913D-04	1.504702D-05
23	A% 22< #	5.160069D-05	8.251897D-05	6.745918D-06
24	A% 23< #	1.119308D-06	6.223482D-07	1.110934D-06
25	A% 24< #	2.845572D-07	3.154707D-07	3.945650D-07



E = 2.56 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.740233D 01	8.146239D 00	7.652215D 00
2	A% 1< #	1.767014D 01	7.950237D 01	7.934954D 02
3	A% 2< #	8.582517D 01	-2.761119D 00	3.172167D 00
4	A% 3< #	4.144141D 00	2.491941D 01	3.863771D 04
5	A% 4< #	3.262727D 01	2.113001D 00	1.531240D 01
6	A% 5< #	-6.160855D 00	-1.382589D 01	-1.394959D 02
7	A% 6< #	-2.977086D 00	-3.745229D 02	-5.638139D 02
8	A% 7< #	-1.507342D 00	-4.087641D 03	-2.362176D 02
9	A% 8< #	-6.445089D 01	-6.493153D 02	-8.151045D 03
10	A% 9< #	-2.797125D 01	-6.308648D 02	6.714708D 03
11	A% 10< #	-1.110458D 01	-5.395461D 02	1.166179D 02
12	A% 11< #	-3.077743D 02	-3.958943D 02	5.480064D 03
13	A% 12< #	1.383898D 02	-1.430430D 02	5.081206D 03
14	A% 13< #	2.518830D 02	3.053511D 03	-1.168283D 04
15	A% 14< #	1.975818D 02	3.812764D 03	-2.184491D 04
16	A% 15< #	1.040181D 02	3.026400D 03	-1.296859D 04
17	A% 16< #	5.263032D 03	2.566338D 03	-1.834022D 04
18	A% 17< #	2.669746D 03	1.879151D 03	-5.213215D 05
19	A% 18< #	1.364312D 03	1.254274D 03	1.865242D 05
20	A% 19< #	6.937663D 04	7.801923D 04	2.959646D 05
21	A% 20< #	3.430465D 04	4.508069D 04	2.507698D 05
22	A% 21< #	1.523965D 04	2.226101D 04	1.525510D 05
23	A% 22< #	5.314634D 05	8.336224D 05	6.823926D 06
24	A% 23< #	1.329933D 06	6.284177D 07	1.098729D 06
25	A% 24< #	2.927489D 07	3.042847D 07	3.895582D 07

E = 2.58 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.588750D 01	7.715931D 00	7.187821D 00
2	A% 1< #	1.801621D 01	8.081356D 01	7.715896D 02
3	A% 2< #	8.171878D 01	-2.756326D 00	2.964169D 00
4	A% 3< #	4.358288D 00	2.439178D 01	-1.241864D 04
5	A% 4< #	2.902761D 01	1.984984D 00	1.404239D 01
6	A% 5< #	-6.449198D 00	-1.423503D 01	-1.456855D 02
7	A% 6< #	-3.125716D 00	-3.958030D 02	-5.902711D 02
8	A% 7< #	-1.593307D 00	-4.473074D 03	-2.469356D 02
9	A% 8< #	-6.871597D 01	-6.793714D 02	-8.520493D 03
10	A% 9< #	-3.020137D 01	-6.592846D 02	7.039487D 03
11	A% 10< #	-1.229323D 01	-5.623730D 02	1.221916D 02
12	A% 11< #	-3.685431D 02	-4.098911D 02	5.759508D 03
13	A% 12< #	1.097507D 02	-1.520553D 02	5.332495D 03
14	A% 13< #	2.467002D 02	3.010500D 03	-1.220589D 04
15	A% 14< #	1.992142D 02	3.833604D 03	-2.239384D 04
16	A% 15< #	1.073724D 02	3.048357D 03	-1.309294D 04
17	A% 16< #	5.431990D 03	2.587537D 03	-1.851788D 04
18	A% 17< #	2.755523D 03	1.896644D 03	-5.282480D 05
19	A% 18< #	1.406297D 03	1.267661D 03	1.861987D 05
20	A% 19< #	7.141314D 04	7.887456D 04	2.991212D 05
21	A% 20< #	3.525427D 04	4.557029D 04	2.541447D 05
22	A% 21< #	1.564042D 04	2.249473D 04	1.546470D 05
23	A% 22< #	5.453722D 05	8.421503D 05	6.902801D 06
24	A% 23< #	1.558751D 06	6.386011D 07	1.086726D 06
25	A% 24< #	3.065012D 07	2.944031D 07	3.846296D 07

E = 2.60 eV, j = 3				j' = j				j' = j + 2				j' = j + 4			
1	A% 0< #	3.449984D	C1	7.305634D	C0	6.710650D	C0								
2	A% 1< #	1.828740D	C1	8.083845D	C1	7.490822D	C2								
3	A% 2< #	7.761335D	C1	-2.716127D	C0	2.767429D	C0								
4	A% 3< #	4.470037D	C0	2.379612D	C1	-6.046335D	C4								
5	A% 4< #	2.574592D	C1	1.863114D	C0	1.286838D	C1								
6	A% 5< #	-6.661534D	C0	-1.453649D	C1	-1.500815D	C2								
7	A% 6< #	-3.233547D	C0	-4.103908D	C2	-6.090327D	C2								
8	A% 7< #	-1.654372D	C0	-4.630115D	C3	-2.544714D	C2								
9	A% 8< #	-7.172233D	C1	-7.000416D	C2	-8.779141D	C3								
10	A% 9< #	-3.177528D	C1	-6.790358D	C2	7.274878D	C3								
11	A% 10< #	-1.314082D	C1	-5.783401D	C2	1.262148D	C2								
12	A% 11< #	-4.120695D	C2	-4.196825D	C2	5.968356D	C3								
13	A% 12< #	8.909511D	C3	-1.580461D	C2	5.519577D	C3								
14	A% 13< #	2.436410D	C2	2.567623D	C3	-1.225238D	C4								
15	A% 14< #	2.008460D	C2	3.839927D	C3	-2.255531D	C4								
16	A% 15< #	-1.107760D	C2	3.070334D	C3	-1.321680D	C4								
17	A% 16< #	5.603485D	C3	2.608785D	C3	-1.869593D	C4								
18	A% 17< #	2.842656D	C3	1.914209D	C3	-5.352260D	C5								
19	A% 18< #	1.448994D	C3	1.281127D	C3	1.658328D	C5								
20	A% 19< #	7.348728D	C4	7.973572D	C4	3.022821D	C5								
21	A% 20< #	3.622359D	C4	4.606362D	C4	2.575391D	C5								
22	A% 21< #	1.605106D	C4	2.273054D	C4	1.567598D	C5								
23	A% 22< #	5.597424D	C5	8.507827D	C5	6.982610D	C6								
24	A% 23< #	1.805947D	C6	6.529463D	C7	1.074930D	C6								
25	A% 24< #	3.258779D	C7	2.858420D	C7	3.797801D	C7								

E = 2.70 eV, j = 3				j' = j				j' = j + 2				j' = j + 4			
1	A% 0< #	2.947154D	C1	5.675579D	C0	4.833980D	C0								
2	A% 1< #	1.901516D	C1	7.075867D	C1	6.278220D	C2								
3	A% 2< #	5.973337D	C1	-2.427251D	C0	1.994084D	C0								
4	A% 3< #	4.168246D	C0	2.075660D	C1	-2.286443D	C3								
5	A% 4< #	1.376575D	C1	1.378391D	C0	8.457830D	C2								
6	A% 5< #	-7.036096D	C0	-1.510083D	C1	-1.560024D	C2								
7	A% 6< #	-3.404952D	C0	-4.237531D	C2	-6.345603D	C2								
8	A% 7< #	-1.735371D	C0	-3.444620D	C3	-2.640209D	C2								
9	A% 8< #	-7.536391D	C1	-7.207728D	C2	-9.091944D	C3								
10	A% 9< #	-3.366431D	C1	-7.014170D	C2	7.652811D	C3								
11	A% 10< #	-1.423759D	C1	-5.977988D	C2	1.324666D	C2								
12	A% 11< #	-4.695539D	C2	-4.317813D	C2	6.369355D	C3								
13	A% 12< #	6.230792D	C3	-1.615161D	C2	5.874635D	C3								
14	A% 13< #	2.507538D	C2	2.771466D	C3	-8.586475D	C5								
15	A% 14< #	2.118354D	C2	3.754910D	C3	-2.023995D	C4								
16	A% 15< #	-1.285339D	C2	3.180399D	C3	-1.384249D	C4								
17	A% 16< #	6.499108D	C3	2.715734D	C3	-1.959370D	C4								
18	A% 17< #	3.298731D	C3	2.003070D	C3	-5.708733D	C5								
19	A% 18< #	1.673182D	C3	1.349609D	C3	1.834066D	C5								
20	A% 19< #	8.442462D	C4	8.412543D	C4	3.181298D	C5								
21	A% 20< #	4.136661D	C4	4.858338D	C4	2.747805D	C5								
22	A% 21< #	1.825322D	C4	2.393977D	C4	1.675659D	C5								
23	A% 22< #	6.386018D	C5	8.954977D	C5	7.395565D	C6								
24	A% 23< #	3.323210D	C6	7.886979D	C7	1.019321D	C6								
25	A% 24< #	5.092786D	C7	2.634881D	C7	3.568489D	C7								

E = 2.80 eV, j = 3				j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.680344D	01		4.669447D 00	3.670730D 00
2	A% 1< #	1.938878D	01		5.599913D 01	5.302116D 02
3	A% 2< #	4.737604D	01		-2.152075D 00	1.515171D 00
4	A% 3< #	3.379069D	00		1.841057D 01	-3.441228D 03
5	A% 4< #	6.965061D	00		1.075631D 00	5.875423D 02
6	A% 5< #	-6.549300D	00		-1.507585D 01	-1.517566D 02
7	A% 6< #	-3.330293D	00		-3.984868D 02	-6.159168D 02
8	A% 7< #	-1.666272D	00		-1.068429D 03	-2.554926D 02
9	A% 8< #	-7.130420D	01		-6.893721D 02	-8.777228D 03
10	A% 9< #	-3.144647D	01		-6.755510D 02	7.505371D 03
11	A% 10< #	-1.313010D	01		-5.792204D 02	1.296434D 02
12	A% 11< #	-4.126416D	02		-4.208137D 02	6.335559D 03
13	A% 12< #	9.364808D	03		-1.484681D 02	5.838173D 03
14	A% 13< #	2.778498D	02		2.606251D 03	-2.675968D 05
15	A% 14< #	2.292558D	02		3.608472D 03	-1.630926D 04
16	A% 15< #	1.475379D	02		3.290845D 03	-1.447134D 04
17	A% 16< #	7.458926D	03		2.823922D 03	-2.050236D 04
18	A% 17< #	3.789178D	03		2.093695D 03	-6.077667D 05
19	A% 18< #	1.915447D	03		1.420045D 03	1.799728D 05
20	A% 19< #	9.632137D	04		8.865801D 04	3.340436D 05
21	A% 20< #	4.701337D	04		5.119423D 04	2.924768D 05
22	A% 21< #	2.070928D	04		2.520051D 04	1.787801D 05
23	A% 22< #	7.294511D	05		9.428626D 05	7.832215D 06
24	A% 23< #	5.324468D	06		1.035254D 06	9.698288D 07
25	A% 24< #	8.423521D	07		2.767160D 07	3.362938D 07

E = 2.90 eV, j = 3				j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.544696D	01		4.658553D 00	2.943173D 00
2	A% 1< #	1.575569D	01		4.221089D 01	4.598857D 02
3	A% 2< #	3.913039D	01		-1.940236D 00	1.216008D 00
4	A% 3< #	2.584014D	00		1.680974D 01	-4.126543D 03
5	A% 4< #	2.912647D	00		8.870831D 01	4.320406D 02
6	A% 5< #	-6.781560D	00		-1.498054D 01	-1.459829D 02
7	A% 6< #	-3.213617D	00		-3.677739D 02	-5.910783D 02
8	A% 7< #	-1.571331D	00		1.412943D 03	-2.445529D 02
9	A% 8< #	-6.584098D	01		-6.518856D 02	-8.381176D 03
10	A% 9< #	-2.842229D	01		-6.440596D 02	7.276287D 03
11	A% 10< #	-1.154914D	01		-5.563148D 02	1.254507D 02
12	A% 11< #	-3.293648D	02		-4.073200D 02	6.224762D 03
13	A% 12< #	1.415150D	02		-1.336986D 02	5.735011D 03
14	A% 13< #	3.130220D	02		2.457667D 03	-2.524059D 05
15	A% 14< #	2.522525D	02		3.461893D 03	-1.249192D 04
16	A% 15< #	1.678007D	02		3.401771D 03	-1.510745D 04
17	A% 16< #	8.483706D	03		2.933410D 03	-2.142157D 04
18	A% 17< #	4.314463D	03		2.186127D 03	-6.459148D 05
19	A% 18< #	2.176086D	03		1.492470D 03	1.755204D 05
20	A% 19< #	1.091967D	03		9.333642D 04	3.500168D 05
21	A% 20< #	5.317579D	04		5.389811D 04	3.106239D 05
22	A% 21< #	2.342650D	04		2.651438D 04	-1.904075D 05
23	A% 22< #	8.327095D	05		9.929951D 05	8.293484D 06
24	A% 23< #	7.829360D	06		1.397957D 06	9.271448D 07
25	A% 24< #	1.332262D	06		3.275130D 07	3.183846D 07

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E = 3.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.480411D 01	3.681288D 00	2.467253D 00
2	A% 1< #	2.018417D 01	3.016489D 01	4.068027D 02
3	A% 2< #	3.350957D 01	-1.782852D 00	1.020682D 00
4	A% 3< #	1.880813D 00	1.574835D 01	4.730693D 03
5	A% 4< #	3.103378D 01	7.656293D 01	3.332771D 02
6	A% 5< #	-6.633130D 00	-1.495263D 01	-1.410642D 02
7	A% 6< #	-3.107576D 00	-3.393784D 02	-5.694832D 02
8	A% 7< #	-1.482393D 00	3.758557D 03	-2.350313D 02
9	A% 8< #	-6.060618D 01	-6.194976D 02	-8.035467D 03
10	A% 9< #	-2.546324D 01	-6.171908D 02	7.079999D 03
11	A% 10< #	-9.968944D 02	-5.370376D 02	1.218929D 02
12	A% 11< #	-2.442577D 02	-3.561762D 02	6.132275D 03
13	A% 12< #	1.933480D 02	-1.208074D 02	5.651131D 03
14	A% 13< #	3.520954D 02	2.313939D 03	7.499938D 05
15	A% 14< #	2.796793D 02	3.323146D 03	-9.057419D 05
16	A% 15< #	1.893669D 02	3.512832D 03	-1.574235D 04
17	A% 16< #	9.575576D 03	3.044183D 03	-2.235689D 04
18	A% 17< #	4.875716D 03	2.280424D 03	-6.856253D 05
19	A% 18< #	2.455756D 03	1.566942D 03	1.699382D 05
20	A% 19< #	1.230880D 03	9.816416D 04	3.660454D 05
21	A% 20< #	5.987501D 04	5.669755D 04	3.292529D 05
22	A% 21< #	2.641587D 04	2.788345D 04	2.024154D 05
23	A% 22< #	9.488894D 05	1.045979D 04	8.777334D 06
24	A% 23< #	1.085637D 05	1.881847D 06	8.919177D 07
25	A% 24< #	1.985759D 06	4.177553D 07	3.033717D 07

E = 3.40 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.499404D 01	3.178216D 00	1.613582D 00
2	A% 1< #	2.239701D 01	-6.189133D 02	2.749202D 02
3	A% 2< #	2.316201D 01	-1.456594D 00	6.728571D 01
4	A% 3< #	-1.140067D 01	-1.419266D 01	-7.083009D 03
5	A% 4< #	-4.661255D 00	5.674703D 01	1.588867D 02
6	A% 5< #	-6.395871D 00	-1.565168D 01	-1.330624D 02
7	A% 6< #	-2.870550D 00	-2.662537D 02	-5.276308D 02
8	A% 7< #	-1.234946D 00	1.208628D 02	-2.155230D 02
9	A% 8< #	-4.463850D 01	-5.496177D 02	-7.308969D 03
10	A% 9< #	-1.585733D 01	-5.653731D 02	6.791761D 03
11	A% 10< #	-4.563945D 02	-5.051162D 02	1.162393D 02
12	A% 11< #	6.229458D 03	-3.779573D 02	6.132070D 03
13	A% 12< #	4.084734D 02	-8.950260D 03	5.653592D 03
14	A% 13< #	5.267636D 02	1.691158D 03	2.361209D 04
15	A% 14< #	4.209911D 02	2.790520D 03	1.674824D 05
16	A% 15< #	2.884966D 02	3.961560D 03	-1.836645D 04
17	A% 16< #	1.460628D 02	3.500503D 03	-2.617561D 04
18	A% 17< #	7.476964D 03	2.675867D 03	-8.561107D 05
19	A% 18< #	3.764509D 03	1.885260D 03	1.373270D 05
20	A% 19< #	1.888609D 03	1.189857D 03	4.303163D 05
21	A% 20< #	9.210496D 04	6.887104D 04	4.079893D 05
22	A% 21< #	4.115825D 04	3.392408D 04	2.547908D 05
23	A% 22< #	1.547981D 04	1.287911D 04	1.098693D 05
24	A% 23< #	2.852582D 05	5.121917D 06	8.376401D 07
25	A% 24< #	6.359652D 06	1.207639D 06	2.769949D 07

E = 3.80 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.654215D 01	3.259728D 00	1.330483D 00
2	A% 1< #	2.494546D 01	-3.432025D 01	-1.785585D 02
3	A% 2< #	2.034548D 01	-1.335629D 00	5.617166D 01
4	A% 3< #	-1.360109D 00	1.405218D 01	-9.627784D 03
5	A% 4< #	-7.001484D 00	5.377549D 01	9.962775D 03
6	A% 5< #	-6.500376D 00	-1.701290D 01	-1.321022D 02
7	A% 6< #	-2.802112D 00	-2.333459D 02	-5.276069D 02
8	A% 7< #	-1.083883D 00	-1.511874D 02	-2.125383D 02
9	A% 8< #	-3.268320D 01	-5.405160D 02	-7.191036D 03
10	A% 9< #	-7.922857D 02	-5.709213D 02	-6.985260D 03
11	A% 10< #	2.211968D 03	-5.195433D 02	1.190618D 02
12	A% 11< #	3.548429D 02	-3.856076D 02	-6.509665D 03
13	A% 12< #	6.456605D 02	-7.961890D 03	6.011568D 03
14	A% 13< #	7.266552D 02	9.027037D 04	3.733870D 04
15	A% 14< #	6.033145D 02	2.168088D 03	1.079709D 04
16	A% 15< #	4.090655D 02	4.426349D 03	-2.092820D 04
17	A% 16< #	2.073704D 02	3.980699D 03	-3.015251D 04
18	A% 17< #	1.067296D 02	3.103040D 03	-1.047213D 04
19	A% 18< #	5.390686D 03	2.237550D 03	8.710914D 06
20	A% 19< #	2.717859D 03	1.423228D 03	-4.544517D 05
21	A% 20< #	1.335266D 03	8.268007D 04	4.935531D 05
22	A% 21< #	6.064808D 04	4.092465D 04	-3.139919D 05
23	A% 22< #	2.377758D 04	1.581309D 04	1.364310D 05
24	A% 23< #	5.582009D 05	1.064705D 05	-9.475851D 07
25	A% 24< #	1.381421D 05	2.757322D 06	3.144493D 07

E = 4.40 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.940822D 01	3.732653D 00	1.197762D 00
2	A% 1< #	2.882451D 01	-7.375926D 01	1.502474D 03
3	A% 2< #	2.087528D 01	-1.264642D 00	5.186008D 01
4	A% 3< #	-2.508111D 00	1.366481D 01	-1.463814D 02
5	A% 4< #	-9.369010D 00	6.011477D 01	6.614053D 03
6	A% 5< #	-6.871188D 00	-1.972047D 01	-1.421512D 02
7	A% 6< #	-2.780032D 00	-2.311092D 02	-5.624350D 02
8	A% 7< #	-8.898638D 01	2.890176D 02	-2.217442D 02
9	A% 8< #	-1.486390D 01	-5.856085D 02	-7.508426D 03
10	A% 9< #	4.719543D 02	-6.383115D 02	7.694207D 03
11	A% 10< #	8.221554D 02	-5.865138D 02	1.306192D 02
12	A% 11< #	8.707530D 02	-4.191700D 02	7.439446D 03
13	A% 12< #	1.087138D 01	-8.671743D 03	6.896550D 03
14	A% 13< #	1.081892D 01	-6.554601D 04	5.768508D 04
15	A% 14< #	9.475573D 02	9.024926D 04	2.458593D 04
16	A% 15< #	6.319297D 02	5.162614D 03	-2.498188D 04
17	A% 16< #	3.207807D 02	4.753329D 03	-3.640620D 04
18	A% 17< #	1.662911D 02	3.806918D 03	-1.373495D 04
19	A% 18< #	8.454234D 03	2.832445D 03	-2.277428D 06
20	A% 19< #	4.300663D 03	1.822616D 03	5.892481D 05
21	A% 20< #	2.139817D 03	1.066309D 03	6.342714D 05
22	A% 21< #	9.943747D 04	5.335343D 04	4.188528D 05
23	A% 22< #	4.092201D 04	2.126417D 04	1.852750D 05
24	A% 23< #	1.166152D 04	2.371140D 05	1.484182D 06
25	A% 24< #	3.143083D 05	6.689351D 06	5.150965D 07

E = 5.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.241833D-01	4.395250D-00	1.155845D-00
2	A% 1< #	3.255789D-01	-1.155699D-00	-2.086833D-02
3	A% 2< #	2.402029D-01	-1.202976D-00	5.305139D-01
4	A% 3< #	-3.037290D-00	1.153605D-01	-2.050854D-02
5	A% 4< #	-1.123902D-01	7.325742D-01	5.535725D-03
6	A% 5< #	-7.265200D-00	-2.294267D-01	-1.556012D-02
7	A% 6< #	-2.718160D-00	-2.606038D-02	-6.168217D-02
8	A% 7< #	-6.522555D-01	3.875390D-02	-2.373163D-02
9	A% 8< #	7.071539D-02	-6.745173D-02	-8.093087D-03
10	A% 9< #	2.054741D-01	-7.423339D-02	8.637321D-03
11	A% 10< #	1.849354D-01	-6.883992D-02	1.464696D-02
12	A% 11< #	1.551482D-01	-4.673257D-02	8.597801D-03
13	A% 12< #	1.666827D-01	-1.124273D-02	8.018694D-03
14	A% 13< #	1.516780D-01	-2.703709D-03	7.935827D-04
15	A% 14< #	1.377294D-01	-8.675943D-04	4.020714D-04
16	A% 15< #	9.073699D-02	5.948744D-03	-2.902794D-04
17	A% 16< #	4.608041D-02	5.589793D-03	-4.298950D-04
18	A% 17< #	2.403016D-02	4.589581D-03	-1.748832D-04
19	A% 18< #	1.229932D-02	3.510282D-03	-1.758797D-05
20	A% 19< #	6.310826D-03	2.283826D-03	6.809728D-05
21	A% 20< #	3.176568D-03	1.346608D-03	7.893571D-05
22	A% 21< #	1.504370D-03	6.824164D-04	5.336900D-05
23	A% 22< #	6.412521D-04	2.807173D-04	2.456317D-05
24	A% 23< #	2.032798D-04	4.306460D-05	2.538964D-06
25	A% 24< #	5.751410D-05	1.275727D-05	9.171434D-07

E = 6.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.745411D-01	5.750317D-00	1.270053D-00
2	A% 1< #	3.843310D-01	-1.970351D-00	-7.705997D-02
3	A% 2< #	3.239109D-01	-5.651300D-01	6.045403D-01
4	A% 3< #	-2.585770D-00	8.289929D-03	-3.428200D-02
5	A% 4< #	-1.364620D-01	1.067170D-00	6.298858D-03
6	A% 5< #	-7.670731D-00	-2.912333D-01	-1.814715D-02
7	A% 6< #	-2.342613D-00	-3.747315D-02	-7.285694D-02
8	A% 7< #	-5.135776D-02	5.533322D-02	-2.678099D-02
9	A% 8< #	5.860882D-01	-8.943065D-02	-9.358644D-03
10	A% 9< #	5.730065D-01	-9.916658D-02	1.045743D-02
11	A% 10< #	4.264242D-01	-9.166815D-02	1.776824D-02
12	A% 11< #	3.176513D-01	-5.675848D-02	1.080954D-02
13	A% 12< #	3.004961D-01	-1.889929D-02	1.023304D-02
14	A% 13< #	2.455401D-01	-7.150670D-03	1.199897D-03
15	A% 14< #	2.290389D-01	-5.043218D-03	7.204832D-04
16	A% 15< #	1.489241D-01	7.408346D-03	-2.570291D-04
17	A% 16< #	7.553378D-02	7.138463D-03	-5.463106D-04
18	A% 17< #	3.969360D-02	6.078291D-03	-2.484424D-04
19	A% 18< #	2.052072D-02	4.831651D-03	-5.314215D-05
20	A% 19< #	1.066085D-02	3.196290D-03	8.237124D-05
21	A% 20< #	5.451666D-03	1.909351D-03	1.078542D-04
22	A% 21< #	2.644025D-03	9.888047D-04	7.663353D-05
23	A% 22< #	1.173001D-03	4.267010D-04	3.735680D-05
24	A% 23< #	4.102457D-04	9.066702D-05	5.626205D-06
25	A% 24< #	1.216360D-04	2.812654D-05	2.103837D-06

E = 7.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.247459D 01	7.244212D 00	1.611480D 00
2	AX 1< #	4.414805D 01	-2.965160E 00	-1.608404D-01
3	AX 2< #	4.329380D 01	-4.089417D-01	7.201019D-01
4	AX 3< #	-2.100958D-01	-2.237612D-01	-5.134290D-02
5	AX 4< #	-1.509745D 01	1.534423D 00	9.768021D-03
6	AX 5< #	-7.547647D 00	-3.617481D-01	-2.079799D-02
7	AX 6< #	-1.481541D 00	-5.649490D-02	-8.548769D-02
8	AX 7< #	6.895431D-01	7.196023D-02	-2.988382D-02
9	AX 8< #	1.339342D 00	-1.185380D-01	-1.082750D-02
10	AX 9< #	1.100501D 00	-1.308869D-01	-1.241334D-02
11	AX 10< #	7.748343D-01	-1.201835D-01	2.120674D-02
12	AX 11< #	5.541405D-01	-6.831534D-02	1.321525D-02
13	AX 12< #	4.875395D-01	-3.013196D-02	1.276850D-02
14	AX 13< #	3.711432D-01	-1.267465D-02	1.668738D-03
15	AX 14< #	3.461095D-01	-1.075196D-02	1.123095D-03
16	AX 15< #	2.233636D-01	9.108547D-03	-4.212966D-04
17	AX 16< #	1.128978D-01	8.893323D-03	-6.705464D-04
18	AX 17< #	5.965462D-02	7.806047D-03	-3.359601D-04
19	AX 18< #	3.109429D-02	6.400330D-03	-1.016787D-04
20	AX 19< #	1.631561D-02	4.295341D-03	9.500122D-05
21	AX 20< #	8.446956D-03	2.597347D-03	1.404843D-04
22	AX 21< #	4.167284D-03	1.372225D-03	1.045169D-04
23	AX 22< #	1.898233D-03	6.161291D-04	5.377402D-05
24	AX 23< #	7.012792D-04	1.590632D-04	1.680363D-05
25	AX 24< #	2.137244D-04	5.066409D-05	4.017355D-06

E = 8.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.751727D 01	8.882708D 00	1.584412D 00
2	AX 1< #	5.011822D 01	-4.242302D 00	-2.745220D-01
3	AX 2< #	5.595405D 01	5.813109D-01	8.673038D-01
4	AX 3< #	4.435966D 00	-6.068211D-01	-7.211062D-02
5	AX 4< #	-1.538034D 01	2.127442D 00	1.635331D-02
6	AX 5< #	-6.755765D 00	-4.402300D-01	-2.320510D-02
7	AX 6< #	-2.795576D-02	-8.231546D-02	-9.895741D-02
8	AX 7< #	2.229207D 00	8.885305D-02	-2.279664D-02
9	AX 8< #	2.367578D 00	-1.527424D-01	-1.245363D-02
10	AX 9< #	1.812098D 00	-1.669739D-01	1.438790D-02
11	AX 10< #	1.245739D 00	-1.523184D-01	2.477749D-02
12	AX 11< #	8.751347D-01	-8.028207D-02	1.569698D-02
13	AX 12< #	7.334303D-01	-4.406169D-02	1.555644D-02
14	AX 13< #	5.335667D-01	-1.863212D-02	2.201400D-03
15	AX 14< #	4.901430D-01	-1.781587D-02	1.618056D-03
16	AX 15< #	3.151284D-01	1.112138D-02	-4.807405D-04
17	AX 16< #	1.584497D-01	1.086734D-02	-8.019810D-04
18	AX 17< #	8.404269D-02	9.780190D-03	-4.377768D-04
19	AX 18< #	4.409673D-02	8.222149D-03	-1.637760D-04
20	AX 19< #	2.332366D-02	5.586627D-03	1.055774D-04
21	AX 20< #	1.219362D-02	3.415376D-03	1.766850D-04
22	AX 21< #	6.053820D-03	1.836536D-03	1.373004D-04
23	AX 22< #	2.828158D-03	8.515761D-04	7.460482D-05
24	AX 23< #	1.061829D-03	2.457369D-04	1.760354D-05
25	AX 24< #	3.357643D-04	8.092128D-05	6.732023D-06

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E = 9.00 eV, j = 3		j' = j	j' = j + 2,	j' = j + 4
1	AX 0< #	5.263084D 01	1.062733D 01	1.777634D 00
2	AX 1< #	5.671386D 01	-5.763088D 00	-4.183363D-01
3	AX 2< #	6.986964D 01	2.065128D 00	1.043795D 00
4	AX 3< #	1.162993D 01	-1.150697D 00	-9.651212D-02
5	AX 4< #	-1.428167D 01	2.835170D 00	-2.667411D-02
6	AX 5< #	-5.212894D 00	-5.257240D-01	-2.497857D-02
7	AX 6< #	2.094414D 00	-1.138178D-01	-1.129026D-01
8	AX 7< #	4.004975D 00	1.064597D-01	-3.535733D-02
9	AX 8< #	3.695565D 00	-1.895363D-01	-1.422649D-02
10	AX 9< #	2.723924D 00	-2.046573D-01	1.629818D-02
11	AX 10< #	1.850042D 00	-1.857342D-01	2.834730D-02
12	AX 11< #	1.288381D 00	-9.134598D-02	1.815736D-02
13	AX 12< #	1.042127D 00	-5.957803D-02	1.854676D-02
14	AX 13< #	7.371058D-01	-2.497725D-02	2.794209D-03
15	AX 14< #	6.621611D-01	-2.587655D-02	2.208380D-03
16	AX 15< #	4.253658D-01	1.353483D-02	-5.329304D-04
17	AX 16< #	2.124670D-01	1.307643D-02	-5.397016D-04
18	AX 17< #	1.129771D-01	1.200895D-02	-5.538222D-04
19	AX 18< #	5.959501D-02	1.030291D-02	-2.397946D-04
20	AX 19< #	3.172575D-02	7.075186D-03	1.138272D-04
21	AX 20< #	1.671720D-02	4.367380D-03	2.163317D-04
22	AX 21< #	8.439084D-03	2.364725D-03	1.744365D-04
23	AX 22< #	3.971963D-03	1.135117D-03	9.820247D-05
24	AX 23< #	1.556281D-03	3.638826D-04	2.686067D-05
25	AX 24< #	4.893557D-04	1.193423D-04	1.030921D-05

E = 10.00 eV, j = 3		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.784940D 01	1.218610D 01	1.944509D 00
2	AX 1< #	6.419419D 01	-7.546363D 00	-5.906748D-01
3	AX 2< #	6.463524D 01	4.043810D 00	1.245099D 00
4	AX 3< #	2.150586D 01	-1.852156D 00	-1.240322D-01
5	AX 4< #	-1.162553D 01	3.640911D 00	4.121502D-02
6	AX 5< #	-2.867320D 00	-6.167913D-01	-2.563801D-02
7	AX 6< #	4.948423D 00	-1.493893D-01	-1.270560D-01
8	AX 7< #	6.243804D 00	1.252095D-01	-3.755268D-02
9	AX 8< #	5.340603D 00	-2.261444D-01	-1.614609D-02
10	AX 9< #	3.847931D 00	-2.408405D-01	1.805948D-02
11	AX 10< #	2.595676D 00	-2.178474D-01	3.179963D-02
12	AX 11< #	1.799826D 00	-1.001051D-01	2.050930D-02
13	AX 12< #	1.416689D 00	-7.539798D-02	2.169558D-02
14	AX 13< #	9.854508D-01	-3.030158D-02	3.444054D-03
15	AX 14< #	8.630870D-01	-3.443605D-02	2.895246D-03
16	AX 15< #	5.553223D-01	1.645195D-02	-5.748696D-04
17	AX 16< #	2.752510D-01	1.553852D-02	-1.083161D-03
18	AX 17< #	1.465833D-01	1.450123D-02	-8.843021D-04
19	AX 18< #	7.765628D-02	1.264852D-02	-3.302029D-04
20	AX 19< #	4.156216D-02	8.766021D-03	1.194141D-04
21	AX 20< #	2.204081D-02	5.457061D-03	2.593444D-04
22	AX 21< #	1.121693D-02	3.019547D-03	2.165890D-04
23	AX 22< #	5.337029D-03	1.468468D-03	1.284936D-04
24	AX 23< #	2.128265D-03	5.024885D-04	3.842305D-05
25	AX 24< #	6.758224D-04	1.662949D-04	1.479752D-05

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E = 0.20 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	1.445903D-00	1.018277D-02	2.394008D-05
2	AX 1< #	-7.388384D-01	-4.098108D-03	3.234183D-05
3	AX 2< #	-2.574528D-01	-9.182867D-05	3.176357D-05
4	AX 3< #	-7.983911D-02	-1.461022D-03	1.723412D-05
5	AX 4< #	-4.380020D-02	-2.428252D-03	-2.206378D-06
6	AX 5< #	-3.385909D-02	-3.406492D-03	-2.209976D-05
7	AX 6< #	5.932003D-03	-1.360176D-03	-2.937211D-05
8	AX 7< #	1.214268D-02	-9.799623D-04	-3.465903D-05
9	AX 8< #	1.171224D-02	-8.952873D-04	-2.042119D-05
10	AX 9< #	1.014516D-02	-9.129370D-04	-2.742438D-06
11	AX 10< #	8.932808D-03	-9.992985D-04	1.113763D-05
12	AX 11< #	8.624962D-03	-1.019175D-03	1.993845D-05
13	AX 12< #	8.459526D-03	2.537220D-04	2.776164D-05
14	AX 13< #	-3.721644D-03	5.372220D-04	2.024859D-05
15	AX 14< #	-1.293717D-03	4.635126D-04	8.016098D-06
16	AX 15< #	-4.039796D-04	3.720510D-04	-6.407816D-06
17	AX 16< #	-5.482201D-05	2.830522D-04	-1.144114D-05
18	AX 17< #	8.872689D-05	1.901520D-04	-2.631134D-06
19	AX 18< #	1.458462D-04	1.142289D-04	1.758860D-06
20	AX 19< #	1.356386D-04	7.609404D-05	2.945609D-07
21	AX 20< #	1.065506D-04	5.065082D-05	2.252439D-07
22	AX 21< #	7.399167D-05	3.186967D-05	7.869339D-07
23	AX 22< #	4.588435D-05	1.714144D-05	1.186691D-06
24	AX 23< #	2.282441D-05	6.584180D-06	1.164533D-06
25	AX 24< #	9.128773D-06	2.621768D-06	4.494722D-07

E = 0.80 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	7.551961D-00	1.107909D-01	1.320981D-03
2	AX 1< #	-9.506848D-01	-8.901685D-02	-1.539776D-05
3	AX 2< #	-3.153135D-00	2.549830D-02	8.526041D-04
4	AX 3< #	-9.327284D-01	-6.139041D-03	0.835997D-05
5	AX 4< #	-2.896116D-01	-9.092365D-03	2.536833D-04
6	AX 5< #	-1.946567D-01	-1.478253D-02	4.224885D-06
7	AX 6< #	1.408369D-02	-1.627384D-03	4.241697D-04
8	AX 7< #	6.734001D-02	-9.652759D-04	9.743367D-05
9	AX 8< #	5.814321D-02	-7.039030D-04	2.924407D-05
10	AX 9< #	4.407929D-02	-1.170137D-03	-3.222072D-05
11	AX 10< #	3.456563D-02	-2.067571D-03	-2.373480D-05
12	AX 11< #	3.043687D-02	-3.390835D-03	6.679048D-05
13	AX 12< #	2.584077D-02	2.201752D-03	9.653406D-05
14	AX 13< #	-8.359947D-03	1.830899D-03	9.104978D-05
15	AX 14< #	-6.551571D-03	1.534068D-03	3.415514D-05
16	AX 15< #	-2.377579D-03	1.313472D-03	-3.600006D-05
17	AX 16< #	-9.816441D-04	1.020360D-03	-5.415636D-05
18	AX 17< #	-3.311506D-04	6.879889D-04	-1.141390D-05
19	AX 18< #	1.277774D-05	4.116230D-04	9.787197D-06
20	AX 19< #	1.164256D-04	2.596639D-04	5.805868D-06
21	AX 20< #	1.268594D-04	1.608302D-04	3.736980D-06
22	AX 21< #	9.989464D-05	9.105874D-05	3.249937D-06
23	AX 22< #	6.511965D-05	4.225965D-05	2.956652D-06
24	AX 23< #	3.082629D-05	9.950780D-06	2.340264D-06
25	AX 24< #	1.357799D-05	4.213532D-06	8.963665D-07

E = 1.20 eV, j = 4				j' = j				j' = j + 2				j' = j + 4			
1	AX 0< #	1.166791D-01	2.238013D-01	1.423496D-02											
2	AX 1< #	1.077123D-00	-2.274291D-01	-7.253165D-04											
3	AX 2< #	-6.322308D-00	9.654858D-02	6.178575D-03											
4	AX 3< #	-2.170296D-00	-9.523421D-03	3.546758D-05											
5	AX 4< #	-2.258357D-01	-1.049395D-02	1.440713D-03											
6	AX 5< #	-1.960629D-01	-2.164497D-02	3.809279D-04											
7	AX 6< #	8.383719D-02	1.963238D-03	2.378133D-03											
8	AX 7< #	1.643071D-01	1.787146D-03	8.855747D-04											
9	AX 8< #	1.237882D-01	3.034413D-03	3.286157D-04											
10	AX 9< #	8.521346D-02	1.786671D-03	-2.044743D-04											
11	AX 10< #	6.031103D-02	-3.913083D-04	-3.355538D-04											
12	AX 11< #	4.750480D-02	-3.706821D-03	-9.742031D-07											
13	AX 12< #	3.607870D-02	4.801146D-03	4.786676D-05											
14	AX 13< #	-3.833712D-03	2.452357D-03	3.618340D-04											
15	AX 14< #	-7.677086D-03	2.036112D-03	5.753578D-05											
16	AX 15< #	-2.251766D-03	1.882984D-03	-6.012448D-05											
17	AX 16< #	-9.671543D-04	1.489589D-03	-8.704236D-05											
18	AX 17< #	-3.667830D-04	1.018775D-03	-1.922095D-05											
19	AX 18< #	-2.265418D-05	6.203579D-04	1.480510D-05											
20	AX 19< #	8.664889D-05	3.853989D-04	1.123819D-05											
21	AX 20< #	1.040482D-04	2.315829D-04	7.698379D-06											
22	AX 21< #	8.242902D-05	1.243367D-04	5.457621D-06											
23	AX 22< #	5.211729D-05	5.315080D-05	3.789328D-06											
24	AX 23< #	2.110903D-05	7.748342D-06	2.359884D-06											
25	AX 24< #	1.035700D-05	3.480551D-06	8.972292D-07											

E = 1.60 eV, j = 4				j' = j				j' = j + 2				j' = j + 4			
1	AX 0< #	1.613702D-01	4.323023D-01	1.146240D-01											
2	AX 1< #	3.673355D-00	-4.821832D-01	-3.257150D-03											
3	AX 2< #	-1.019178D-01	2.779533D-01	4.815981D-02											
4	AX 3< #	-4.315575D-00	-1.513387D-02	8.426489D-05											
5	AX 4< #	1.202718D-00	8.625728D-03	6.580899D-03											
6	AX 5< #	2.295590D-01	-2.346197D-02	1.771159D-03											
7	AX 6< #	3.878022D-01	1.071772D-02	8.744360D-03											
8	AX 7< #	4.196466D-01	7.407465D-03	3.517747D-03											
9	AX 8< #	2.733378D-01	1.308112D-02	1.287864D-03											
10	AX 9< #	1.707071D-01	1.039722D-02	-8.533405D-04											
11	AX 10< #	1.084995D-01	5.683169D-03	-1.493123D-03											
12	AX 11< #	7.506314D-02	-1.308146D-03	-4.196831D-04											
13	AX 12< #	5.079955D-02	9.485252D-03	-3.234874D-04											
14	AX 13< #	6.124357D-03	2.867729D-03	2.745211D-04											
15	AX 14< #	-5.893419D-03	2.312175D-03	1.329203D-04											
16	AX 15< #	-3.108373D-04	2.432006D-03	-8.641736D-05											
17	AX 16< #	-5.353768D-05	1.961316D-03	-1.226632D-04											
18	AX 17< #	3.947476D-05	1.365675D-03	-2.898891D-05											
19	AX 18< #	1.429991D-04	8.518156D-04	1.874655D-05											
20	AX 19< #	1.449232D-04	5.260153D-04	1.744462D-05											
21	AX 20< #	1.161047D-04	3.098028D-04	1.273216D-05											
22	AX 21< #	7.573275D-05	1.599139D-04	8.263979D-06											
23	AX 22< #	4.029134D-05	6.406022D-05	4.688115D-06											
24	AX 23< #	9.919888D-06	4.743336D-06	2.118104D-06											
25	AX 24< #	6.066040D-06	2.342803D-06	7.967536D-07											

E = 2.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.407569D 01	1.371724D 00	1.074110D 00
2	A% 1< #	5.239810D 00	-1.015200D 00	-0.225886D -03
3	A% 2< #	-1.036100D 01	7.086370D -01	4.455976D -01
4	A% 3< #	-8.746123D 00	-2.432099D -02	1.084308D -03
5	A% 4< #	1.129218D 01	2.421230D -01	3.802341D -02
6	A% 5< #	2.251460D 00	-4.980005D -03	6.692198D -03
7	A% 6< #	1.553427D 00	3.356551D -02	3.028140D -02
8	A% 7< #	1.214358D 00	1.870169D -02	1.242070D -02
9	A% 8< #	7.006427D -01	4.237660D -02	0.451618D -03
10	A% 9< #	4.024575D -01	3.669015D -02	-3.232973D -03
11	A% 10< #	2.329128D -01	2.569140D -02	-5.670261D -03
12	A% 11< #	1.406234D -01	9.721013D -03	-2.194466D -03
13	A% 12< #	8.413464D -02	2.039298D -02	-1.925696D -03
14	A% 13< #	2.424936D -02	3.056546D -03	4.913639D -04
15	A% 14< #	-5.331485D -04	2.162864D -03	2.809192D -04
16	A% 15< #	3.732856D -03	2.971806D -03	-1.143569D -04
17	A% 16< #	1.928171D -03	2.444438D -03	-3.606983D -04
18	A% 17< #	9.942781D -04	1.736199D -03	-0.087715D -05
19	A% 18< #	5.785289D -04	1.112274D -03	2.126783D -05
20	A% 19< #	3.352363D -04	6.868031D -04	2.415029D -05
21	A% 20< #	1.907156D -04	3.996644D -04	1.874071D -05
22	A% 21< #	9.651633D -05	2.009307D -04	1.173138D -05
23	A% 22< #	3.911378D -05	7.710338D -05	5.803015D -06
24	A% 23< #	1.858756D -06	2.134624D -06	1.767255D -06
25	A% 24< #	2.380842D -06	1.245399D -06	6.538104D -07

E = 2.10 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.871738D 01	2.264886D 00	2.067230D 00
2	A% 1< #	5.189452D 00	-1.217060D 00	-7.255051D -03
3	A% 2< #	-4.416702D 00	8.163626D -01	8.558818D -01
4	A% 3< #	-1.053806D 01	-1.977905D -02	2.014467D -03
5	A% 4< #	1.981960D 01	4.959324D -01	6.550592D -02
6	A% 5< #	3.355979D 00	6.950225D -03	9.183643D -03
7	A% 6< #	2.164887D 00	4.409024D -02	4.107164D -02
8	A% 7< #	1.609718D 00	2.314721D -02	1.687253D -02
9	A% 8< #	9.080201D -01	5.630298D -02	6.015447D -03
10	A% 9< #	5.140482D -01	4.940008D -02	-4.466335D -03
11	A% 10< #	2.926227D -01	3.553888D -02	-7.820061D -03
12	A% 11< #	1.717029D -01	1.543404D -02	-3.159556D -03
13	A% 12< #	9.990981D -02	2.523949D -02	-2.796706D -03
14	A% 13< #	3.152720D -02	3.162370D -03	5.730228D -04
15	A% 14< #	1.845372D -03	2.027709D -03	3.401367D -04
16	A% 15< #	5.096252D -03	3.105982D -03	-1.215039D -04
17	A% 16< #	2.604433D -03	2.567538D -03	-1.704997D -04
18	A% 17< #	1.327648D -03	1.833101D -03	-4.422177D -05
19	A% 18< #	7.354778D -04	1.182422D -03	2.162700D -05
20	A% 19< #	4.071460D -04	7.305904D -04	2.588213D -05
21	A% 20< #	2.214666D -04	4.242943D -04	2.038695D -05
22	A% 21< #	1.074061D -04	2.122957D -04	1.276681D -05
23	A% 22< #	4.127614D -05	8.087132D -05	6.128264D -06
24	A% 23< #	7.159842D -07	1.644445D -06	1.675380D -06
25	A% 24< #	1.694471D -06	1.014616D -06	6.163698D -07

E = 2.20 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.679151D-01	4.163075D-00	4.164088D-00
2	AX 1< #	5.260284D-00	-1.372568D-00	8.713431D-04
3	AX 2< #	1.302024D-01	7.215902D-01	1.721334D-00
4	AX 3< #	-1.219840D-01	6.001521D-03	3.661976D-03
5	AX 4< #	3.557757D-01	1.045583D-00	1.185809D-01
6	AX 5< #	4.566969D-00	1.903683D-02	1.177540D-02
7	AX 6< #	2.828294D-00	5.517752D-02	5.241975D-02
8	AX 7< #	2.036599D-00	2.750722D-02	2.150411D-02
9	AX 8< #	1.133953D-00	7.057573D-02	7.640382D-03
10	AX 9< #	6.369603D-01	6.244277D-02	-5.785538D-03
11	AX 10< #	3.595997D-01	4.562603D-02	-1.010925D-02
12	AX 11< #	2.070068D-01	2.123474D-02	-4.228681D-03
13	AX 12< #	1.186303D-01	3.015002D-02	-3.756150D-03
14	AX 13< #	4.052909D-02	3.294844D-03	6.427480D-04
15	AX 14< #	5.478032D-03	1.932803D-03	3.899852D-04
16	AX 15< #	6.607843D-03	3.240402D-03	-1.287801D-04
17	AX 16< #	3.356689D-03	2.691926D-03	-1.804901D-04
18	AX 17< #	1.700684D-03	1.931885D-03	-4.767669D-05
19	AX 18< #	9.127442D-04	1.254710D-03	2.190205D-05
20	AX 19< #	4.895925D-04	7.759051D-04	2.763200D-05
21	AX 20< #	2.575608D-04	4.498624D-04	2.208942D-05
22	AX 21< #	1.208751D-04	2.241575D-04	1.372663D-05
23	AX 22< #	4.459254D-05	8.487876D-05	6.474590D-06
24	AX 23< #	5.237190D-05	1.240535D-06	1.589516D-06
25	AX 24< #	1.132232D-06	8.092719D-07	5.793077D-07

E = 2.30 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.974506D 01	7.859020D 00	8.134095D 00
2	AX 1< #	7.110338D 00	-1.173350D 00	2.867048D-02
3	AX 2< #	5.536956D 01	-1.092272D-01	3.352547D 00
4	AX 3< #	-1.147052D 01	9.057555D-02	5.884936D-03
5	AX 4< #	6.052272D 01	2.117328D 00	2.088577D-01
6	AX 5< #	4.455165D 00	1.057482D-02	1.113440D-02
7	AX 6< #	2.770928D 00	5.458159D-02	5.019813D-02
8	AX 7< #	2.022454D 00	2.729430D-02	2.045082D-02
9	AX 8< #	1.141410D 00	6.724670D-02	7.264036D-03
10	AX 9< #	6.499738D-01	5.921115D-02	-5.589029D-03
11	AX 10< #	3.724469D-01	4.275295D-02	-9.740337D-03
12	AX 11< #	2.161995D-01	1.896859D-02	-4.175478D-03
13	AX 12< #	1.273791D-01	2.925752D-02	-3.685467D-03
14	AX 13< #	4.881677D-02	3.575726D-03	5.937366D-04
15	AX 14< #	1.171168D-02	2.213246D-03	3.453067D-04
16	AX 15< #	8.269088D-03	3.374962D-03	-1.361267D-04
17	AX 16< #	4.186035D-03	2.817567D-03	-1.906153D-04
18	AX 17< #	2.114819D-03	2.032600D-03	-5.127841D-05
19	AX 18< #	1.111001D-03	1.329192D-03	2.206576D-05
20	AX 19< #	5.829287D-04	8.228023D-04	2.939612D-05
21	AX 20< #	2.992222D-04	4.764115D-04	2.384730D-05
22	AX 21< #	1.370613D-04	2.365502D-04	1.475226D-05
23	AX 22< #	4.914040D-05	8.914549D-05	6.843413D-06
24	AX 23< #	-2.364081D-07	9.224366D-07	1.495740D-06
25	AX 24< #	7.073451D-07	6.328718D-07	5.430828D-07

E = 2.32 eV, $j' = 4$		$j' = j$	$j' = j + 2$	$j' = j + 4$
1	AX 0< #	5.254049D 01	8.775633D 00	9.090348D 00
2	AX 1< #	7.995841D 00	-1.035994D 00	3.770393D -02
3	AX 2< #	6.724117D 01	-4.288301D -01	3.752749D 00
4	AX 3< #	-1.062410D 01	1.178302D -01	6.215749D -03
5	AX 4< #	6.560170D 01	2.381599D 00	2.287153D -01
6	AX 5< #	3.974198D 00	2.323088D -03	9.948165D -03
7	AX 6< #	2.511960D 00	5.057464D -02	4.526556D -02
8	AX 7< #	1.368486D 00	2.585406D -02	1.837726D -02
9	AX 8< #	1.067138D 00	6.090159D -02	6.535269D -03
10	AX 9< #	6.136631D -01	5.330096D -02	-5.037492D -03
11	AX 10< #	3.5520 04D -01	3.799534D -02	-8.773348D -03
12	AX 11< #	2.082031D -01	1.593811D -02	-3.769649D -03
13	AX 12< #	1.248788D -01	2.722360D -02	-3.311064D -03
14	AX 13< #	4.961813D -02	3.650304D -03	5.514233D -04
15	AX 14< #	1.333815D -02	2.370112D -03	3.103421D -04
16	AX 15< #	8.619481D -03	3.401891D -03	-1.376090D -04
17	AX 16< #	4.361279D -03	2.842851D -03	-1.926553D -04
18	AX 17< #	2.202558D -03	2.052976D -03	-5.201609D -05
19	AX 18< #	1.153215D -03	1.344353D -03	2.208522D -05
20	AX 19< #	6.029308D -04	8.323733D -04	2.975064D -05
21	AX 20< #	3.082403D -04	4.818408D -04	2.420548D -05
22	AX 21< #	1.406354D -04	2.390940D -04	1.501076D -05
23	AX 22< #	5.020382D -05	9.003099D -05	6.919921D -06
24	AX 23< #	-2.253944D -07	8.831055D -07	1.478331D -06
25	AX 24< #	6.399578D -07	6.013610D -07	5.359785D -07

E = 2.34 eV, $j = 4$		$j' = j$	$j' = j + 2$	$j' = j + 4$
1	AX 0< #	5.510489D 01	9.679031D 00	1.001693D 01
2	AX 1< #	9.106879D 00	-3.683105D -01	4.752864D -02
3	AX 2< #	7.959091D 01	-7.997495D -01	4.134563D 00
4	AX 3< #	-9.468962D 00	1.478329D -01	6.443305D -03
5	AX 4< #	7.003837D 01	2.640878D 00	2.469880D -01
6	AX 5< #	3.272677D 00	-8.960566D -03	8.264845D -03
7	AX 6< #	2.134515D 00	4.473435D -02	3.822364D -02
8	AX 7< #	1.642260D 00	2.378452D -02	1.543228D -02
9	AX 8< #	9.564560D -01	5.191796D -02	5.501059D -03
10	AX 9< #	5.584785D -01	4.494140D -02	-4.242640D -03
11	AX 10< #	3.282030D -01	3.129370D -02	-7.382938D -03
12	AX 11< #	1.953096D -01	1.171679D -02	-3.172107D -03
13	AX 12< #	1.201652D -01	2.433139D -02	-2.762777D -03
14	AX 13< #	4.987919D -02	3.725877D -03	4.953635D -04
15	AX 14< #	1.503954D -02	2.568574D -03	2.644008D -04
16	AX 15< #	8.975977D -03	3.428830D -03	-1.390846D -04
17	AX 16< #	4.539688D -03	2.868190D -03	-1.946966D -04
18	AX 17< #	2.291969D -03	2.073429D -03	-5.275906D -05
19	AX 18< #	1.196296D -03	1.359602D -03	2.210016D -05
20	AX 19< #	6.233846D -04	8.420075D -04	3.010559D -05
21	AX 20< #	3.174913D -04	4.873101D -04	2.456581D -05
22	AX 21< #	1.443236D -04	2.416589D -04	1.523111D -05
23	AX 22< #	5.131946D -05	9.092676D -05	6.997296D -06
24	AX 23< #	-1.940131D -07	8.380073D -07	1.461042D -06
25	AX 24< #	5.786567D -07	5.711654D -07	5.289286D -07

E = 2.36 eV, j' = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.724813D 01	1.051283D 01	1.085196D 01
2	AX 1< #	1.043276D 01	-6.617076D -01	5.780328D -02
3	AX 2< #	9.176264D 01	-1.209557D 00	4.478533D 00
4	AX 3< #	-8.018519D 00	1.793469D -01	6.514898D -03
5	AX 4< #	7.343596D 01	2.878577D 00	2.622581D -01
6	AX 5< #	2.348625D 00	-2.323449D -02	6.085097D -03
7	AX 6< #	1.637859D 00	3.706533D -02	2.907988D -02
8	AX 7< #	1.343388D 00	2.110578D -02	1.162127D -02
9	AX 8< #	8.090640D -01	4.032518D -02	4.163851D -03
10	AX 9< #	4.841669D -01	3.415850D -02	-3.203961D -03
11	AX 10< #	2.912455D -01	2.266938D -02	-5.568827D -03
12	AX 11< #	1.773821D -01	6.321611D -03	-2.380346D -03
13	AX 12< #	1.131245D -01	2.059302D -02	-2.038494D -03
14	AX 13< #	4.952295D -02	3.797854D -03	4.265885D -04
15	AX 14< #	1.675731D -02	2.804968D -03	2.082435D -04
16	AX 15< #	9.338554D -03	3.455781D -03	-1.405617D -04
17	AX 16< #	4.721252D -03	2.893587D -03	-1.967417D -04
18	AX 17< #	2.383049D -03	2.093963D -03	-5.350753D -05
19	AX 18< #	1.240243D -03	1.374942D -03	2.211087D -05
20	AX 19< #	6.442920D -04	8.517079D -04	3.046119D -05
21	AX 20< #	3.269754D -04	4.928191D -04	2.492831D -05
22	AX 21< #	1.481268D -04	2.442453D -04	1.545323D -05
23	AX 22< #	5.248817D -05	9.183362D -05	7.075615D -06
24	AX 23< #	-1.419387D -07	7.972490D -07	1.443904D -06
25	AX 24< #	5.235354D -07	5.423100D -07	5.219365D -07

E = 2.38 eV, j = 4			j' = j	j' = j + 2	j' = j + 4		
1	AX 0< #	5.879035D	01	1.121695D	01	1.153141D	01
2	AX 1< #	1.193382D	01	-4.287100D	-01	5.795348D	-02
3	AX 2< #	1.029783D	02	-1.638321D	00	4.758267D	00
4	AX 3< #	-6.325738D	00	2.106734D	-01	6.401059D	-03
5	AX 4< #	7.543893D	01	3.077135D	00	2.731710D	-01
6	AX 5< #	1.227169D	00	-4.007766D	-02	3.485815D	-03
7	AX 6< #	1.035846D	00	2.779939D	-02	1.810452D	-02
8	AX 7< #	9.803917D	-01	1.791742D	-02	7.058673D	-03
9	AX 8< #	6.291435D	-01	2.648236D	-02	2.564084D	-03
10	AX 9< #	3.927898D	-01	2.128270D	-02	-1.950918D	-03
11	AX 10< #	2.453068D	-01	1.238576D	-02	-3.383052D	-03
12	AX 11< #	1.548775D	-01	-8.113700D	-05	-1.415244D	-03
13	AX 12< #	1.039063D	-01	1.612759D	-02	-1.157519D	-03
14	AX 13< #	4.853359D	-02	3.860996D	-03	3.478890D	-04
15	AX 14< #	1.841940D	-02	3.070062D	-03	1.440872D	-04
16	AX 15< #	9.707247D	-03	3.482739D	-03	-1.420399D	-04
17	AX 16< #	4.905993D	-03	2.919041D	-03	-1.987905D	-04
18	AX 17< #	2.475813D	-03	2.114578D	-03	-5.426213D	-05
19	AX 18< #	1.285065D	-03	1.390372D	-03	2.211686D	-05
20	AX 19< #	6.656567D	-04	8.614739D	-04	3.081731D	-05
21	AX 20< #	3.366958D	-04	4.983694D	-04	2.529307D	-05
22	AX 21< #	1.520470D	-04	2.468549D	-04	1.567726D	-05
23	AX 22< #	5.371059D	-05	9.275171D	-05	7.154866D	-06
24	AX 23< #	-6.896002D	-06	7.608639D	-07	1.426902D	-06
25	AX 24< #	4.746865D	-07	5.148193D	-07	5.150055D	-07

ORIGINAL PAGE IS  
OF POOR QUALITY

E = 2.40 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.960154D 01	1.173912D 01	1.200178D 01
2	AX 1< #	1.354313D 01	-1.822908D 01	7.736737D 02
3	AX 2< #	1.124715D 02	-2.061033D 00	4.951651D 00
4	AX 3< #	-4.481097D 00	2.368885D 01	6.092174D 03
5	AX 4< #	7.581577D 01	3.221441D 00	2.787268D 01
6	AX 5< #	-3.841966D 02	-5.869373D 02	5.815922D 04
7	AX 6< #	3.578139D 01	1.740020D 02	5.823682D 03
8	AX 7< #	5.711102D 01	1.439764D 02	1.968781D 03
9	AX 8< #	4.252355D 01	1.107432D 02	7.782574D 04
10	AX 9< #	2.887252D 01	6.948982D 03	-5.441560D 04
11	AX 10< #	1.925713D 01	9.485219D 04	-9.311856D 04
12	AX 11< #	1.288565D 01	-7.177946D 03	-3.220614D 04
13	AX 12< #	9.293900D 02	1.116036D 02	-1.621932D 04
14	AX 13< #	4.656560D 02	3.910240D 03	2.633711D 04
15	AX 14< #	1.994869D 02	3.349825D 03	7.551033D 05
16	AX 15< #	1.008061D 02	3.509851D 03	-1.432930D 04
17	AX 16< #	5.093384D 03	2.944671D 03	-2.006370D 04
18	AX 17< #	2.570047D 03	2.135228D 03	-5.505751D 05
19	AX 18< #	1.330769D 03	1.405853D 03	2.209111D 05
20	AX 19< #	6.874826D 04	8.713071D 04	3.117375D 05
21	AX 20< #	3.466547D 04	5.039618D 04	2.565992D 05
22	AX 21< #	1.560850D 04	2.494873D 04	1.590315D 05
23	AX 22< #	5.498775D 05	9.368199D 05	7.235114D 06
24	AX 23< #	2.516943D 08	7.289070D 07	1.410034D 06
25	AX 24< #	4.322013D 07	4.887176D 07	5.081386D 07

E = 2.42 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.963434D 01	1.204648D 01	1.223206D 01
2	AX 1< #	1.517643D 01	6.205472D 02	8.538063D 02
3	AX 2< #	1.196435D 02	-2.451814D 00	5.046185D 00
4	AX 3< #	-2.598983D 00	2.652728D 01	5.592738D 03
5	AX 4< #	7.452307D 01	3.302187D 00	2.785333D 01
6	AX 5< #	-1.374289D 00	-7.801592D 02	-2.449612D 03
7	AX 6< #	-3.570544D 01	6.508077D 03	-6.998635D 03
8	AX 7< #	1.396940D 01	1.077389D 02	-3.348121D 03
9	AX 8< #	2.102522D 01	-4.970674D 03	-1.080398D 03
10	AX 9< #	1.784535D 01	-7.986034D 03	9.345003D 04
11	AX 10< #	1.363360D 01	-1.096225D 02	1.642574D 03
12	AX 11< #	1.009637D 01	-1.454867D 02	8.353979D 04
13	AX 12< #	8.093472D 02	5.993930D 03	8.913408D 04
14	AX 13< #	4.496860D 02	3.942235D 03	1.790575D 04
15	AX 14< #	2.129038D 02	3.627262D 03	6.665367D 06
16	AX 15< #	1.046153D 02	3.536820D 03	-1.447743D 04
17	AX 16< #	5.284469D 03	2.970236D 03	-2.026907D 04
18	AX 17< #	2.666178D 03	2.156003D 03	-5.582418D 05
19	AX 18< #	1.377342D 03	1.421463D 03	2.208783D 05
20	AX 19< #	7.097684D 04	8.812043D 04	3.153064D 05
21	AX 20< #	3.568511D 04	5.095937D 04	2.602880D 05
22	AX 21< #	1.602410D 04	2.521421D 04	1.513084D 05
23	AX 22< #	5.631963D 05	9.462375D 05	7.214331D 06
24	AX 23< #	1.407496D 07	7.014795D 07	1.393333D 06
25	AX 24< #	3.961701D 07	4.640289D 07	5.013392D 07

E = 2.44 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.893420D 01	1.213251D 01	1.222072D 01
2	AX 1< #	1.674934D 01	2.895927D -01	9.166981D -02
3	AX 2< #	1.241876D 02	-2.789571D 00	5.041021D 00
4	AX 3< #	-7.947387D -01	2.855324D -01	4.954930D -03
5	AX 4< #	7.171383D 01	3.317848D 00	2.728823D -01
6	AX 5< #	-2.700363D 00	-9.693381D -02	-5.429619D -03
7	AX 6< #	-1.065351D 00	-4.220148D -03	-1.961928D -02
8	AX 7< #	-2.874368D -01	7.279797D -03	-8.571929D -03
9	AX 8< #	-2.968854D -03	-2.069016D -02	-2.905513D -03
10	AX 9< #	6.871682D -02	-2.262796D -02	2.395878D -03
11	AX 10< #	8.006836D -02	-2.263630D -02	4.183933D -03
12	AX 11< #	7.293031D -02	-2.175687D -02	1.988189D -03
13	AX 12< #	6.866598D -02	9.419500D -04	1.939069D -03
14	AX 13< #	4.272000D -02	3.955218D -03	9.977860D -05
15	AX 14< #	2.240580D -02	3.886357D -03	-5.818598D -05
16	AX 15< #	1.084858D -02	3.563804D -03	-1.462503D -04
17	AX 16< #	5.478734D -03	2.995860D -03	-2.047479D -04
18	AX 17< #	2.764003D -03	2.176860D -03	-5.659686D -05
19	AX 18< #	1.424797D -03	1.437167D -03	2.207974D -05
20	AX 19< #	7.325167D -04	8.911679D -04	3.188767D -05
21	AX 20< #	3.672876D -04	5.152679D -04	2.639981D -05
22	AX 21< #	1.645164D -04	2.548206D -04	1.535047D -05
23	AX 22< #	5.770638D -05	9.557657D -05	7.398536D -06
24	AX 23< #	2.780415D -07	6.786588D -07	1.376816D -06
25	AX 24< #	3.666818D -07	4.407767D -07	4.946163D -07

E = 2.46 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.762433D 01	1.201605D 01	1.199324D 01
2	AX 1< #	1.819223D 01	4.891582D -01	9.603508D -02
3	AX 2< #	1.261206D 02	-3.061017D 00	4.946778D 00
4	AX 3< #	8.350402D -01	3.001206D -01	4.209576D -03
5	AX 4< #	6.769671D 01	3.274317D 00	2.626434D -01
6	AX 5< #	-3.945365D 00	-1.144866D -01	-8.198982D -03
7	AX 6< #	-1.728864D 00	-1.419791D -02	-3.136537D -02
8	AX 7< #	-6.869797D -01	4.113527D -03	-1.342480D -02
9	AX 8< #	-2.026594D -01	-3.524500D -02	-4.599696D -03
10	AX 9< #	-3.435388D -02	-3.619764D -02	3.761926D -03
11	AX 10< #	2.695699D -02	-3.345519D -02	6.557077D -03
12	AX 11< #	4.636611D -02	-2.842496D -02	3.074092D -03
13	AX 12< #	5.687562D -02	-3.723294D -03	2.924803D -03
14	AX 13< #	4.041555D -02	3.949941D -03	2.972363D -05
15	AX 14< #	2.328921D -02	4.114570D -03	-1.157258D -04
16	AX 15< #	1.124180D -02	3.590800D -03	-1.477302D -04
17	AX 16< #	5.676184D -03	3.021542D -03	-2.068105D -04
18	AX 17< #	2.863526D -03	2.197802D -03	-5.737559D -05
19	AX 18< #	1.473138D -03	1.452963D -03	2.206696D -05
20	AX 19< #	7.557311D -04	9.012000D -04	3.224527D -05
21	AX 20< #	3.779662D -04	5.209854D -04	2.677316D -05
22	AX 21< #	1.689119D -04	2.575225D -04	1.639198D -05
23	AX 22< #	5.914912D -05	9.654164D -05	7.481740D -06
24	AX 23< #	4.372858D -07	6.605076D -07	1.360491D -06
25	AX 24< #	3.438246D -07	4.189846D -07	4.879550D -07

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E = 2.48 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.587157D-01	1.173409D-01	1.159358D-01
2	AX 1< #	1.946040D-01	6.532135D-01	9.853343D-02
3	AX 2< #	1.257298D-02	-3.261998D-00	4.781611D-00
4	AX 3< #	2.231481D-00	3.091618D-01	3.412066D-03
5	AX 4< #	6.285631D-01	3.182727D-00	2.490284D-01
6	AX 5< #	-5.058124D-00	-1.300131D-01	-1.064735D-02
7	AX 6< #	-2.320297D-00	-2.301323D-02	-4.176468D-02
8	AX 7< #	-1.042315D-00	1.406039D-03	-1.771270D-02
9	AX 8< #	-3.803831D-01	-4.805527D-02	-6.095304D-03
10	AX 9< #	-1.263227D-01	-4.815550D-02	4.977212D-03
11	AX 10< #	-2.065868D-02	-4.299157D-02	8.665936D-03
12	AX 11< #	2.246563D-02	-3.429342D-02	4.048139D-03
13	AX 12< #	4.613621D-02	-7.814637D-03	3.807939D-03
14	AX 13< #	3.822563D-02	3.928819D-03	-2.859677D-05
15	AX 14< #	2.396114D-02	4.304572D-03	-1.639246D-04
16	AX 15< #	1.164120D-02	3.617806D-03	-1.492126D-04
17	AX 16< #	5.876826D-03	3.047278D-03	-2.088781D-04
18	AX 17< #	2.964754D-03	2.218825D-03	-5.816004D-05
19	AX 18< #	1.522368D-03	1.468852D-03	2.204975D-05
20	AX 19< #	7.794127D-04	9.112989D-04	3.260342D-05
21	AX 20< #	3.888877D-04	5.267452D-04	2.714866D-05
22	AX 21< #	1.734285D-04	2.602484D-04	1.682531D-05
23	AX 22< #	6.064802D-05	9.751852D-05	7.565948D-06
24	AX 23< #	6.187200D-07	6.470879D-07	1.344366D-06
25	AX 24< #	3.276851D-07	3.986755D-07	4.813764D-07

E = 2.50 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.384975D-01	1.133165D-01	1.107289D-01
2	AX 1< #	2.053566D-01	7.812854D-01	9.953692D-02
3	AX 2< #	1.234653D-02	-3.396077D-00	4.566578D-00
4	AX 3< #	3.365677D-00	3.132699D-01	2.550120D-03
5	AX 4< #	5.757438D-01	3.056477D-00	2.333218D-01
6	AX 5< #	-6.011223D-00	-1.431905D-01	-1.272050D-02
7	AX 6< #	-2.825168D-00	-3.045480D-02	-5.057556D-02
8	AX 7< #	-1.344653D-00	-7.843439D-04	-2.132754D-02
9	AX 8< #	-5.316308D-01	-5.883513D-02	-7.358569D-03
10	AX 9< #	-2.047751D-01	-5.823465D-02	6.012600D-03
11	AX 10< #	-6.147036D-02	-5.103427D-02	1.046053D-02
12	AX 11< #	1.910871D-03	-3.923580D-02	4.886001D-03
13	AX 12< #	3.679675D-02	-1.124084D-02	4.566388D-03
14	AX 13< #	3.627365D-02	3.895128D-03	-7.437756D-05
15	AX 14< #	2.445908D-02	4.454213D-03	-2.020695D-04
16	AX 15< #	1.204682D-02	3.644829D-03	-1.506886D-04
17	AX 16< #	6.080669D-03	3.073070D-03	-2.109486D-04
18	AX 17< #	3.067690D-03	2.239931D-03	-5.894991D-05
19	AX 18< #	1.572489D-03	1.484832D-03	2.202789D-05
20	AX 19< #	8.035634D-04	9.214642D-04	3.296181D-05
21	AX 20< #	4.000529D-04	5.325469D-04	2.752618D-05
22	AX 21< #	1.780662D-04	2.629970D-04	1.706044D-05
23	AX 22< #	6.220321D-05	9.850670D-05	7.651139D-06
24	AX 23< #	8.225789D-07	6.384607D-07	1.328449D-06
25	AX 24< #	3.183495D-07	3.798723D-07	4.748775D-07

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E = 2.52 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.171224D 01	1.085300D 01	1.048010D 01
2	AX 1< #	2.142082D 01	8.747728D 01	9.877949D 02
3	AX 2< #	1.198276D 02	-3.471656D 00	4.321969D 00
4	AX 3< #	4.241666D 00	3.135886D 01	1.846648D 03
5	AX 4< #	5.217431D 01	2.908569D 00	2.166436D 01
6	AX 5< #	-6.758293D 00	-1.540239D 01	-1.440158D 02
7	AX 6< #	-3.240094D 00	-3.648310D 02	-5.775783D 02
8	AX 7< #	-1.591986D 00	-2.460661D 03	-2.428483D 02
9	AX 8< #	-6.553054D 01	-6.754884D 02	-8.384101D 03
10	AX 9< #	-2.670659D 01	-6.639804D 02	6.861929D 03
11	AX 10< #	-9.508300D 02	-5.755422D 02	1.193044D 02
12	AX 11< #	-1.507498D 02	-4.323796D 02	5.580499D 03
13	AX 12< #	2.899966D 02	-1.399081D 02	5.195049D 03
14	AX 13< #	3.463285D 02	3.852629D 03	-1.078456D 04
15	AX 14< #	2.482744D 02	4.565447D 03	-2.305795D 04
16	AX 15< #	1.245863D 02	3.671795D 03	-1.521985D 04
17	AX 16< #	6.287721D 03	3.098915D 03	-2.130279D 04
18	AX 17< #	3.172343D 03	2.261121D 03	-5.974605D 05
19	AX 18< #	1.623508D 03	1.500905D 03	2.200131D 05
20	AX 19< #	8.281865D 04	9.316977D 04	3.332055D 05
21	AX 20< #	4.114641D 04	5.383916D 04	2.790589D 05
22	AX 21< #	1.828269D 04	2.657697D 04	1.729746D 05
23	AX 22< #	6.381608D 05	9.950777D 05	7.737382D 06
24	AX 23< #	1.049109D 06	6.346887D 07	1.312748D 06
25	AX 24< #	3.159033D 07	3.625976D 07	4.684623D 07

E = 2.54 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.957792D 01	1.033585D 01	9.855816D 00
2	AX 1< #	2.213414D 01	9.371476D 01	9.725484D 02
3	AX 2< #	1.152858D 02	-3.499665D 00	4.064414D 00
4	AX 3< #	4.883804D 00	3.106741D 01	1.113864D 03
5	AX 4< #	4.699740D 01	2.750113D 00	1.999037D 01
6	AX 5< #	-7.427790D 00	-1.625994D 01	-1.572777D 02
7	AX 6< #	-3.570254D 00	-4.118809D 02	-6.341428D 02
8	AX 7< #	-1.787498D 00	-3.659930D 03	-2.659826D 02
9	AX 8< #	-7.529475D 01	-7.433320D 02	-9.187665D 03
10	AX 9< #	-3.199268D 01	-7.277572D 02	7.536847D 03
11	AX 10< #	-1.218214D 01	-6.265678D 02	1.309614D 02
12	AX 11< #	-2.863312D 02	-4.636703D 02	6.139810D 03
13	AX 12< #	2.271579D 02	-1.611317D 02	5.700009D 03
14	AX 13< #	3.332826D 02	3.804333D 03	-1.306738D 04
15	AX 14< #	2.510859D 02	4.642684D 03	-2.504119D 04
16	AX 15< #	1.287674D 02	3.698839D 03	-1.536883D 04
17	AX 16< #	6.497990D 03	3.124812D 03	-2.151106D 04
18	AX 17< #	3.278713D 03	2.282351D 03	-6.054752D 05
19	AX 18< #	1.675423D 03	1.517069D 03	2.197018D 05
20	AX 19< #	8.532823D 04	9.419971D 04	3.367966D 05
21	AX 20< #	4.231214D 04	5.442779D 04	2.828768D 05
22	AX 21< #	1.877105D 04	2.685657D 04	1.753629D 05
23	AX 22< #	6.548597D 05	1.005200D 04	7.824600D 06
24	AX 23< #	1.298511D 06	6.358273D 07	1.297270D 06
25	AX 24< #	3.204288D 07	3.468735D 07	4.621316D 07

E = 2.56 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.752919D 01	9.809212D 00	9.230625D 00
2	AX 1< #	2.269968D 01	9.737660D-01	9.522009D-02
3	AX 2< #	1.102303D 02	-3.490996D 00	3.806550D 00
4	AX 3< #	5.323496D 00	3.052127D-01	4.613511D-04
5	AX 4< #	4.190171D 01	2.589481D 00	1.837507D-01
6	AX 5< #	-7.917811D 00	-1.693309D-01	-1.673827D-02
7	AX 6< #	-3.823985D 00	-4.459040D-02	-6.765832D-02
8	AX 7< #	-1.936708D 00	-4.455759D-03	-2.835438D-02
9	AX 8< #	-8.270391D-01	-7.948761D-02	-9.784903D-03
10	AX 9< #	-3.588611D-01	-7.758651D-02	8.057052D-03
11	AX 10< #	-1.424205D-01	-6.651583D-02	1.399226D-02
12	AX 11< #	-3.912042D-02	-4.873181D-02	6.578362D-03
13	AX 12< #	1.781214D-02	-1.768430D-02	6.094642D-03
14	AX 13< #	3.235102D-02	3.754547D-03	-1.444320D-04
15	AX 14< #	2.533694D-02	4.692452D-03	-2.628789D-04
16	AX 15< #	1.329969D-02	3.726479D-03	-1.549984D-04
17	AX 16< #	6.710963D-03	3.151224D-03	-2.170340D-04
18	AX 17< #	3.386540D-03	2.303761D-03	-6.136292D-05
19	AX 18< #	1.728201D-03	1.533300D-03	2.192624D-05
20	AX 19< #	8.788558D-04	9.523668D-04	3.403910D-05
21	AX 20< #	4.350284D-04	5.502093D-04	2.867167D-05
22	AX 21< #	1.927190D-04	2.713871D-04	1.777706D-05
23	AX 22< #	6.721456D-05	1.015455D-04	7.912924D-06
24	AX 23< #	1.571041D-06	6.419398D-07	1.282022D-06
25	AX 24< #	3.320108D-07	3.327217D-07	4.558898D-07

E = 2.58 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.561630D 01	9.293462D 00	8.625354D 00
2	AX 1< #	2.314449D 01	9.899116D-01	9.259145D-02
3	AX 2< #	1.049612D 02	-3.455468D 00	3.556956D 00
4	AX 3< #	5.598955D 00	2.993496D-01	-1.513412D-04
5	AX 4< #	3.727666D 01	2.432681D 00	1.685114D-01
6	AX 5< #	-8.288432D 00	-1.743375D-01	-1.748129D-02
7	AX 6< #	-4.014900D 00	-4.713692D-02	-7.083300D-02
8	AX 7< #	-2.047178D 00	-4.904218D-03	-2.964129D-02
9	AX 8< #	-8.818064D-01	-8.316349D-02	-1.022885D-02
10	AX 9< #	-3.875037D-01	-8.108336D-02	8.446313D-03
11	AX 10< #	-1.576938D-01	-6.933181D-02	1.466076D-02
12	AX 11< #	-4.692379D-02	-5.045690D-02	6.913565D-03
13	AX 12< #	1.413270D-02	-1.879678D-02	6.396056D-03
14	AX 13< #	3.168571D-02	3.701897D-03	-1.507753D-04
15	AX 14< #	2.554650D-02	4.718242D-03	-2.694874D-04
16	AX 15< #	1.373033D-02	3.753569D-03	-1.564911D-04
17	AX 16< #	6.927678D-03	3.177243D-03	-2.191248D-04
18	AX 17< #	3.496356D-03	2.325202D-03	-6.217552D-05
19	AX 18< #	1.781919D-03	1.549653D-03	2.188607D-05
20	AX 19< #	9.049066D-04	9.628028D-04	3.439891D-05
21	AX 20< #	4.471835D-04	5.561813D-04	2.905768D-05
22	AX 21< #	1.978516D-04	2.742389D-04	1.801958D-05
23	AX 22< #	6.900127D-05	1.025826D-04	8.002237D-06
24	AX 23< #	1.866908D-06	6.530822D-07	1.267011D-06
25	AX 24< #	3.507300D-07	3.201639D-07	4.497385D-07

E = 2.60 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	4.386508D 01	8.801603D 00	8.052749D 00
2	AX 1< #	2.349329D 01	9.902722D 01	8.989062D 02
3	AX 2< #	9.969250D 01	-3.401309D 00	3.320871D 00
4	AX 3< #	5.742769D 00	2.920510D 01	-7.278913D 04
5	AX 4< #	3.306025D 01	2.283403D 00	1.544241D 01
6	AX 5< #	-8.561358D 00	-1.780269D 01	-1.800902D 02
7	AX 6< #	-4.153411D 00	-4.888104D 02	-7.308424D 02
8	AX 7< #	-2.125653D 00	-5.079863D 03	-3.054621D 02
9	AX 8< #	-9.204124D 01	-8.569994D 02	-1.053973D 02
10	AX 9< #	-4.077198D 01	-8.351394D 02	8.728395D 03
11	AX 10< #	-1.685860D 01	-7.130198D 02	1.514325D 02
12	AX 11< #	-5.251410D 02	-5.166409D 02	7.164084D 03
13	AX 12< #	1.147765D 02	-1.953683D 02	6.620440D 03
14	AX 13< #	3.129323D 02	3.649303D 03	-1.513960D 04
15	AX 14< #	2.575606D 02	4.726127D 03	-2.714441D 04
16	AX 15< #	1.416731D 02	3.780682D 03	-1.579779D 04
17	AX 16< #	7.147653D 03	3.203324D 03	-2.212200D 04
18	AX 17< #	3.607914D 03	2.346733D 03	-6.299418D 05
19	AX 18< #	1.836551D 03	1.566103D 03	2.184105D 05
20	AX 19< #	9.314405D 04	9.733100D 04	3.475910D 05
21	AX 20< #	4.595914D 04	5.621989D 04	2.944592D 05
22	AX 21< #	2.031110D 04	2.771003D 04	1.826404D 05
23	AX 22< #	7.084724D 05	1.036325D 04	8.092618D 06
24	AX 23< #	2.186350D 06	6.693132D 07	1.252241D 06
25	AX 24< #	3.766680D 07	3.092197D 07	4.436786D 07

E = 2.70 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.752995D 01	6.847052D 00	5.800750D 00
2	AX 1< #	2.443151D 01	8.668631D 01	7.533960D 02
3	AX 2< #	7.673957D 01	-3.027818D 00	2.392867D 00
4	AX 3< #	5.355410D 00	2.547887D 01	-2.746156D 03
5	AX 4< #	1.766860D 01	1.689602D 00	1.015002D 01
6	AX 5< #	-9.042808D 00	-1.849393D 01	-1.872009D 02
7	AX 6< #	-4.373625D 00	-5.045789D 02	-7.614714D 02
8	AX 7< #	-2.229783D 00	-3.605692D 03	-3.169409D 02
9	AX 8< #	-9.671922D 01	-8.823919D 02	-1.091653D 02
10	AX 9< #	-4.319995D 01	-8.627211D 02	9.180863D 03
11	AX 10< #	-1.826938D 01	-7.370762D 02	1.589265D 02
12	AX 11< #	-5.990701D 02	-5.316010D 02	7.645093D 03
13	AX 12< #	8.020205D 03	-1.997214D 02	7.046132D 03
14	AX 13< #	3.220992D 02	3.407837D 03	-1.076841D 04
15	AX 14< #	2.716860D 02	4.621701D 03	-2.437336D 04
16	AX 15< #	1.644730D 02	3.916482D 03	-1.654899D 04
17	AX 16< #	8.296552D 03	3.334590D 03	-2.317820D 04
18	AX 17< #	4.191913D 03	2.455654D 03	-6.717676D 05
19	AX 18< #	2.123457D 03	1.649762D 03	2.154468D 05
20	AX 19< #	1.071383D 03	1.026871D 03	3.656387D 05
21	AX 20< #	5.254363D 04	5.929356D 04	3.141793D 05
22	AX 21< #	2.313207D 04	2.918153D 04	1.951418D 05
23	AX 22< #	8.097732D 05	1.090718D 04	8.560463D 06
24	AX 23< #	4.144354D 06	8.287481D 07	1.182344D 06
25	AX 24< #	6.173889D 07	2.794889D 07	4.149074D 07

E = 2.80 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.417991D 01	5.640749D 00	4.404853D 00
2	AX 1< #	2.491514D 01	6.859625D 01	6.362655D 02
3	AX 2< #	6.087183D 01	-2.678359D 00	1.818179D 00
4	AX 3< #	4.341254D 00	2.260244D 01	-4.132011D 03
5	AX 4< #	3.931898D 00	1.318668D 00	7.051280D 02
6	AX 5< #	-8.931245D 00	-1.846431D 01	-1.821071D 02
7	AX 6< #	-4.277778D 00	-4.740272D 02	-7.390976D 02
8	AX 7< #	-2.141036D 00	-7.122167D 04	-3.067162D 02
9	AX 8< #	-9.150767D 01	-8.439384D 02	-1.053943D 02
10	AX 9< #	-4.035314D 01	-8.309455D 02	9.003623D 03
11	AX 10< #	-1.684789D 01	-7.142172D 02	1.555357D 02
12	AX 11< #	-5.260922D 02	-5.181404D 02	7.604605D 03
13	AX 12< #	1.202785D 02	-1.837032D 02	7.002157D 03
14	AX 13< #	3.569463D 02	3.203948D 03	-4.060948D 05
15	AX 14< #	2.940847D 02	4.441558D 03	-1.966225D 04
16	AX 15< #	1.888748D 02	4.052761D 03	-1.730418D 04
17	AX 16< #	9.527942D 03	3.467374D 03	-2.424673D 04
18	AX 17< #	4.820051D 03	2.566741D 03	-7.150602D 05
19	AX 18< #	2.433572D 03	1.735809D 03	2.112805D 05
20	AX 19< #	1.223642D 03	1.082179D 03	3.837429D 05
21	AX 20< #	5.977482D 04	6.247853D 04	3.344197D 05
22	AX 21< #	2.627908D 04	3.071589D 04	2.081131D 05
23	AX 22< #	9.264739D 05	1.148351D 04	9.055461D 06
24	AX 23< #	6.723116D 06	1.123664D 06	1.119627D 06
25	AX 24< #	1.050172D 06	2.932404D 07	3.889004D 07

E = 2.90 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.248581D 01	4.908837D 00	3.531787D 00
2	AX 1< #	2.538984D 01	5.169155D 01	5.518756D 02
3	AX 2< #	5.028219D 01	-2.411039D 00	1.459187D 00
4	AX 3< #	3.319376D 00	2.063942D 01	-4.954522D 03
5	AX 4< #	3.726009D 00	1.087651D 00	5.185353D 02
6	AX 5< #	-8.715631D 00	-1.834871D 01	-1.751785D 02
7	AX 6< #	-4.127953D 00	-4.369451D 02	-7.092908D 02
8	AX 7< #	-2.019075D 00	2.305178D 03	-2.935944D 02
9	AX 8< #	-8.449289D 01	-7.980295D 02	-1.006443D 02
10	AX 9< #	-3.646998D 01	-7.922408D 02	8.728645D 03
11	AX 10< #	-1.481755D 01	-6.860107D 02	1.505031D 02
12	AX 11< #	-4.192151D 02	-5.015592D 02	7.471799D 03
13	AX 12< #	1.816126D 02	-1.655548D 02	6.878192D 03
14	AX 13< #	4.021759D 02	3.020523D 03	2.514445D 05
15	AX 14< #	3.236540D 02	4.261299D 03	-1.508680D 04
16	AX 15< #	2.148947D 02	4.189643D 03	-1.806826D 04
17	AX 16< #	1.084281D 02	3.601748D 03	-2.532716D 04
18	AX 17< #	5.492927D 03	2.680045D 03	-7.598313D 05
19	AX 18< #	2.767279D 03	1.824287D 03	2.058971D 05
20	AX 19< #	1.388463D 03	1.139269D 03	4.018939D 05
21	AX 20< #	6.766798D 04	6.577721D 04	3.551748D 05
22	AX 21< #	2.976145D 04	3.231512D 04	2.215602D 05
23	AX 22< #	1.059111D 04	1.209367D 04	9.578703D 06
24	AX 23< #	9.947761D 06	1.560598D 06	1.064919D 06
25	AX 24< #	1.684183D 06	3.529056D 07	3.659797D 07

E = 3.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.169152D 01	4.457489D 00	2.960684D 00
2	AX 1< #	2.594328D 01	3.692082D 01	4.881772D 02
3	AX 2< #	4.306283D 01	-2.213097D 00	1.224798D 00
4	AX 3< #	2.415491D 00	1.933825D 01	-5.679646D 03
5	AX 4< #	3.829810D 01	9.388373D 01	4.000259D 02
6	AX 5< #	-8.524825D 00	-1.831562D 01	-1.692751D 02
7	AX 6< #	-3.991782D 00	-4.026281D 02	-6.833762D 02
8	AX 7< #	-1.904821D 00	5.159645D 03	-2.821735D 02
9	AX 8< #	-7.777048D 01	-7.583636D 02	-9.649766D 03
10	AX 9< #	-3.266981D 01	-7.592158D 02	8.493098D 03
11	AX 10< #	-1.278779D 01	-6.622718D 02	1.462330D 02
12	AX 11< #	-3.099476D 02	-4.878660D 02	7.360990D 03
13	AX 12< #	2.480730D 02	-1.497162D 02	6.777374D 03
14	AX 13< #	4.524234D 02	2.843197D 03	8.460941D 05
15	AX 14< #	3.589197D 02	4.090762D 03	-1.097096D 04
16	AX 15< #	2.425902D 02	4.326698D 03	-1.883111D 04
17	AX 16< #	1.224390D 02	3.737700D 03	-2.642634D 04
18	AX 17< #	6.212000D 03	2.795640D 03	-8.064388D 05
19	AX 18< #	3.125423D 03	1.915270D 03	1.991767D 05
20	AX 19< #	1.566323D 03	1.198186D 03	4.201032D 05
21	AX 20< #	7.624994D 04	6.919279D 04	3.764934D 05
22	AX 21< #	3.359329D 04	3.398178D 04	2.354453D 05
23	AX 22< #	1.208343D 04	1.273873D 04	1.012785D 05
24	AX 23< #	1.384193D 05	2.145720D 06	1.018997D 06
25	AX 24< #	2.528059D 06	4.607815D 07	3.464450D 07

E = 3.40 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.199030D 01	3.860991D 00	1.936279D 00
2	AX 1< #	2.879585D 01	-7.663159D 02	3.299234D 02
3	AX 2< #	2.977115D 01	-1.804165D 00	8.074124D 01
4	AX 3< #	-1.488610D 01	1.743457D 01	-8.503021D 03
5	AX 4< #	-6.004425D 00	6.960732D 01	1.907794D 02
6	AX 5< #	-8.219700D 00	-1.917527D 01	-1.596697D 02
7	AX 6< #	-3.687387D 00	-3.139217D 02	-6.331511D 02
8	AX 7< #	-1.586939D 00	1.532844D 02	-2.587844D 02
9	AX 8< #	-5.725818D 01	-6.727757D 02	-8.778809D 03
10	AX 9< #	-2.032890D 01	-6.955462D 02	8.147116D 03
11	AX 10< #	-5.842338D 02	-6.229866D 02	1.394444D 02
12	AX 11< #	8.386538D 03	-4.655322D 02	7.361466D 03
13	AX 12< #	5.241367D 02	-1.113097D 02	6.779648D 03
14	AX 13< #	6.770680D 02	2.076194D 03	2.769228D 04
15	AX 14< #	5.406278D 02	3.436950D 03	1.882752D 05
16	AX 15< #	3.699088D 02	4.880575D 03	-2.198545D 04
17	AX 16< #	1.870049D 02	4.297672D 03	-3.090772D 04
18	AX 17< #	9.545751D 03	3.280421D 03	-1.006621D 04
19	AX 18< #	4.802036D 03	2.304188D 03	1.599557D 05
20	AX 19< #	2.408806D 03	1.452314D 03	4.928372D 05
21	AX 20< #	1.175534D 03	8.404747D 04	4.665414D 05
22	AX 21< #	5.249691D 04	4.133750D 04	2.959924D 05
23	AX 22< #	1.977790D 04	1.568573D 04	1.264018D 05
24	AX 23< #	3.654911D 05	6.081458D 06	9.376107D 07
25	AX 24< #	8.160902D 06	1.416556D 06	3.077895D 07

E = 3.80 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.399418D 01	3.967959D 00	1.596558D 00
2	AX 1< #	3.207820D 01	-4.216407D-01	2.142960D-02
3	AX 2< #	2.615351D 01	-1.652989D 00	6.740437D-01
4	AX 3< #	-1.750831D 00	1.726821D-01	-1.155737D-02
5	AX 4< #	-9.012407D 00	6.597537D-01	1.196932D-02
6	AX 5< #	-8.353826D 00	-2.084593D-01	-1.585167D-02
7	AX 6< #	-3.599450D 00	-2.735461D-02	-6.331185D-02
8	AX 7< #	-1.392872D 00	2.394672D-02	-2.552304D-02
9	AX 8< #	-4.189058D-01	-6.616350D-02	-8.638525D-03
10	AX 9< #	-1.012920D-01	-7.024028D-02	8.379004D-03
11	AX 10< #	3.100560D-03	-6.407946D-02	1.428259D-02
12	AX 11< #	4.599498D-02	-4.750425D-02	7.815330D-03
13	AX 12< #	8.287770D-02	-9.928189D-03	7.208465D-03
14	AX 13< #	9.341900D-02	1.106482D-03	4.405210D-04
15	AX 14< #	7.750884D-02	2.673537D-03	1.279918D-04
16	AX 15< #	5.247851D-02	5.454291D-03	-2.506855D-04
17	AX 16< #	2.657066D-02	4.886871D-03	-3.556656D-04
18	AX 17< #	1.364329D-02	3.804155D-03	-1.231138D-04
19	AX 18< #	6.886215D-03	2.734665D-03	9.968333D-06
20	AX 19< #	3.471468D-03	1.737200D-03	5.650611D-05
21	AX 20< #	1.706557D-03	1.009019D-03	5.643904D-05
22	AX 21< #	7.749375D-04	4.986598D-04	3.644073D-05
23	AX 22< #	3.043373D-04	1.926238D-04	1.566760D-05
24	AX 23< #	7.159454D-05	1.281174D-05	1.050582D-06
25	AX 24< #	1.774431D-05	3.301153D-06	3.441955D-07

E = 4.40 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	3.767729D 01	4.551609D 00	1.437287D 00
2	AX 1< #	3.707380D 01	-9.052626D-01	1.807096D-03
3	AX 2< #	2.683558D 01	-1.564825D 00	6.223010D-01
4	AX 3< #	-3.226493D 00	1.680479D-01	-1.757062D-02
5	AX 4< #	-1.205735D 01	7.376432D-01	7.954890D-03
6	AX 5< #	-8.830048D 00	-2.416619D-01	-1.705782D-02
7	AX 6< #	-3.570868D 00	-2.699584D-02	-6.749021D-02
8	AX 7< #	-1.143575D 00	3.596618D-02	-2.663281D-02
9	AX 8< #	-1.897221D-01	-7.169108D-02	-9.021864D-03
10	AX 9< #	6.130260D-02	-7.816115D-02	9.228753D-03
11	AX 10< #	1.060051D-01	-7.233291D-02	1.566824D-02
12	AX 11< #	1.123398D-01	-5.165102D-02	8.932150D-03
13	AX 12< #	1.396142D-01	-1.082360D-02	8.269146D-03
14	AX 13< #	1.391173D-01	-8.086180D-04	6.828533D-04
15	AX 14< #	1.217810D-01	1.121408D-03	2.928909D-04
16	AX 15< #	8.110991D-02	6.363196D-03	-2.995150D-04
17	AX 16< #	4.113206D-02	5.834752D-03	-4.287741D-04
18	AX 17< #	2.128204D-02	4.667255D-03	-1.614733D-04
19	AX 18< #	1.081406D-02	3.461710D-03	-3.206624D-06
20	AX 19< #	5.500537D-03	2.224862D-03	6.710642D-05
21	AX 20< #	2.738282D-03	1.301425D-03	7.252961D-05
22	AX 21< #	1.272550D-03	6.501500D-04	4.820900D-05
23	AX 22< #	5.244686D-04	2.591243D-04	2.124966D-05
24	AX 23< #	1.496087D-04	2.874921D-05	1.660817D-06
25	AX 24< #	4.036929D-05	8.093392D-06	5.691460D-07

E = 5.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.153557D 01	5.365052D 00	1.424180D 00
2	A% 1< #	4.188290D 01	-1.417841D 00	-2.505928D 02
3	A% 2< #	3.087730D 01	-1.489454D 00	6.365901D 01
4	A% 3< #	-3.906129D 00	1.420732D 01	-2.509574D 02
5	A% 4< #	-1.446402D 01	8.989745D 01	6.665706D 03
6	A% 5< #	-9.335992D 00	-2.811729D 01	-1.867257D 02
7	A% 6< #	-3.490959D 00	-3.048270D 02	-7.401509D 02
8	A% 7< #	-8.382095D 01	4.808392D 02	-2.850760D 02
9	A% 8< #	9.247299D 02	-8.259065D 02	-9.726602D 03
10	A% 9< #	2.649141D 01	-9.132077D 02	1.035908D 02
11	A% 10< #	2.381549D 01	-8.488278D 02	1.756876D 02
12	A% 11< #	1.998900D 01	-5.759499D 02	1.032331D 02
13	A% 12< #	2.141430D 01	-1.400929D 02	9.614280D 03
14	A% 13< #	1.950655D 01	-3.325250D 03	9.409483D 04
15	A% 14< #	1.770532D 01	-1.049809D 03	4.796459D 04
16	A% 15< #	1.164992D 01	7.333645D 03	-3.483204D 04
17	A% 16< #	5.911322D 02	6.860798D 03	-5.055521D 04
18	A% 17< #	3.077639D 02	5.627109D 03	-2.056356D 04
19	A% 18< #	1.574539D 02	4.290274D 03	-2.155482D 05
20	A% 19< #	8.078199D 03	2.788148D 03	7.726375D 05
21	A% 20< #	4.068049D 03	1.643727D 03	9.026088D 05
22	A% 21< #	1.926884D 03	8.317095D 04	6.182064D 05
23	A% 22< #	8.223491D 04	3.422288D 04	2.816589D 05
24	A% 23< #	2.607741D 04	5.237870D 05	2.886417D 06
25	A% 24< #	7.384719D 05	1.549721D 05	1.032000D 06

E = 6.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.798070D 01	7.001479D 00	1.524014D 00
2	A% 1< #	4.945502D 01	-2.416251D 00	-9.245698D 02
3	A% 2< #	4.163118D 01	-1.199413D 00	7.254042D 01
4	A% 3< #	-3.322875D 00	1.099287D 02	-4.114414D 02
5	A% 4< #	-1.756521D 01	1.309613D 00	7.591069D 03
6	A% 5< #	-9.856163D 00	-3.569636D 01	-2.177967D 02
7	A% 6< #	-3.007266D 00	-4.421381D 02	-8.742089D 02
8	A% 7< #	-6.583997D 02	6.848201D 02	-3.217937D 02
9	A% 8< #	7.555129D 01	-1.095394D 01	-1.125171D 02
10	A% 9< #	7.377466D 01	-1.219700D 01	1.254010D 02
11	A% 10< #	5.488513D 01	-1.129888D 01	2.131120D 02
12	A% 11< #	4.088901D 01	-6.996411D 02	1.297947D 02
13	A% 12< #	3.862164D 01	-2.346563D 02	1.226883D 02
14	A% 13< #	3.153197D 01	-8.788174D 03	1.424870D 03
15	A% 14< #	2.945036D 01	-6.172812D 03	8.602576D 04
16	A% 15< #	1.912658D 01	9.135076D 03	-4.289903D 04
17	A% 16< #	9.694092D 02	8.766139D 03	-6.409005D 04
18	A% 17< #	3.087471D 02	7.453184D 03	-2.922674D 04
19	A% 18< #	2.629207D 02	5.905827D 03	-6.415296D 05
20	A% 19< #	1.365765D 02	3.902871D 03	9.281751D 05
21	A% 20< #	6.986639D 03	2.331162D 03	1.233185D 04
22	A% 21< #	3.389197D 03	1.205550D 03	8.869143D 05
23	A% 22< #	1.504895D 03	5.205565D 04	4.286807D 05
24	A% 23< #	5.261629D 04	1.105335D 04	6.509431D 06
25	A% 24< #	1.561091D 04	3.426409D 05	2.414589D 06



E = 7.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	5.439979D 01	8.855939D 00	1.693704D 00
2	A% 1< #	5.682639D 01	-3.659612D 00	-1.929768D 01
3	A% 2< #	5.563211D 01	-5.197187D 01	8.640502D 01
4	A% 3< #	-2.631510D 01	-2.733787D 01	-6.161547D 02
5	A% 4< #	-1.943995D 01	1.882996D 00	1.176554D 02
6	A% 5< #	-9.696544D 00	-4.434448D 01	-2.496568D 02
7	A% 6< #	-1.899090D 00	-6.724363D 02	-1.025717D 01
8	A% 7< #	1.143661D 00	8.893441D 02	-3.591808D 02
9	A% 8< #	1.724533D 00	-1.452330D 01	-1.302188D 02
10	A% 9< #	1.416351D 00	-1.609535D 01	1.488338D 02
11	A% 10< #	9.970979D 01	-1.480838D 01	2.543385D 02
12	A% 11< #	7.130325D 01	-8.421797D 02	1.586872D 02
13	A% 12< #	6.268036D 01	-3.731923D 02	1.530844D 02
14	A% 13< #	4.774021D 01	-1.557363D 02	1.983421D 03
15	A% 14< #	4.450981D 01	-1.317805D 02	1.341502D 03
16	A% 15< #	2.869212D 01	-1.123253D 02	-5.068620D 04
17	A% 16< #	1.449337D 01	1.091198D 02	-7.848144D 04
18	A% 17< #	7.649227D 02	9.572880D 03	-3.954421D 04
19	A% 18< #	3.985897D 02	7.824205D 03	-1.223031D 04
20	A% 19< #	2.091198D 02	5.245919D 03	1.062077D 04
21	A% 20< #	1.082963D 02	3.171859D 03	1.606127D 04
22	A% 21< #	5.343793D 03	1.673628D 03	1.208967D 04
23	A% 22< #	2.435656D 03	7.520838D 04	6.178540D 05
24	A% 23< #	8.992554D 04	1.941239D 04	1.235768D 05
25	A% 24< #	2.742088D 04	6.179698D 05	4.657953D 06

E = 8.00 eV, j = 4		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.084347D 01	1.083808D 01	1.901192D 00
2	A% 1< #	6.453217D 01	-5.199619D 00	-3.293635D 01
3	A% 2< #	7.188280D 01	6.918828D 01	1.041251D 00
4	A% 3< #	5.718701D 00	-7.429812D 01	-8.654229D 02
5	A% 4< #	-1.981504D 01	2.610656D 00	1.968099D 02
6	A% 5< #	-8.676935D 00	-5.397166D 01	-2.786238D 02
7	A% 6< #	-2.891560D 02	-9.859129D 02	-1.187263D 01
8	A% 7< #	2.865826D 00	1.097032D 01	-3.943134D 02
9	A% 8< #	3.047200D 00	-1.871780D 01	-1.498127D 02
10	A% 9< #	2.331730D 00	-2.052970D 01	1.724875D 02
11	A% 10< #	1.602890D 00	-1.876248D 01	2.971495D 02
12	A% 11< #	1.125828D 00	-9.897747D 02	1.884966D 02
13	A% 12< #	9.430755D 01	-5.448937D 02	1.865085D 02
14	A% 13< #	6.863349D 01	-2.313730D 02	2.618193D 03
15	A% 14< #	6.303784D 01	-2.184737D 02	1.933145D 03
16	A% 15< #	4.048438D 01	1.371429D 02	-5.791296D 04
17	A% 16< #	2.034476D 01	1.333222D 02	-9.365421D 04
18	A% 17< #	1.077954D 01	1.199525D 02	-5.155826D 04
19	A% 18< #	5.654466D 02	1.005260D 02	-1.967048D 04
20	A% 19< #	2.990349D 02	6.824238D 03	1.169495D 04
21	A% 20< #	1.563687D 02	4.171689D 03	2.019805D 04
22	A% 21< #	7.815888D 03	2.240684D 03	1.585326D 04
23	A% 22< #	3.629038D 03	1.039971D 03	8.514519D 05
24	A% 23< #	1.387021D 03	3.049659D 04	2.066147D 05
25	A% 24< #	4.306864D 04	9.877059D 05	7.851346D 06

E = 9.00 eV, j = 4				j' = j				j' = j + 2				j' = j + 4			
1	AX	0<	#	6.737638D	01			1.287612D	01			2.133017D	00		
2	AX	1<	#	7.304888D	01			-7.062399D	00			-5.018862D	-01		
3	AX	2<	#	8.973658D	01			2.508471D	00			1.252382D	00		
4	AX	3<	#	1.497968D	01			-1.409848D	00			-1.158024D	-01		
5	AX	4<	#	-1.841617D	01			3.479006D	00			3.208043D	-02		
6	AX	5<	#	-6.691707D	00			-6.446186D	-01			-3.000282D	-02		
7	AX	6<	#	2.701287D	00			-1.368925D	-01			-1.354478D	-01		
8	AX	7<	#	5.148656D	00			1.313350D	-01			-4.252417D	-02		
9	AX	8<	#	4.755321D	00			-2.322955D	-01			-1.711635D	-02		
10	AX	9<	#	3.504577D	00			-2.515974D	-01			1.953728D	-02		
11	AX	10<	#	2.380215D	00			-2.287380D	-01			3.399503D	-02		
12	AX	11<	#	1.657221D	00			-1.126288D	-01			2.180560D	-02		
13	AX	12<	#	1.340116D	00			-7.361178D	-02			2.223597D	-02		
14	AX	13<	#	9.481295D	-01			-3.068643D	-02			3.324811D	-03		
15	AX	14<	#	8.516509D	-01			-3.174095D	-02			2.638805D	-03		
16	AX	15<	#	5.465071D	-01			1.668825D	-02			-6.428541D	-04		
17	AX	16<	#	2.728393D	-01			1.604038D	-02			-1.094969D	-03		
18	AX	17<	#	1.449374D	-01			1.473044D	-02			-6.526038D	-04		
19	AX	18<	#	7.643514D	-02			1.259817D	-02			-2.877935D	-04		
20	AX	19<	#	4.068453D	-02			3.644024D	-03			1.247228D	-04		
21	AX	20<	#	2.144129D	-02			5.335493D	-03			2.472775D	-04		
22	AX	21<	#	1.082529D	-02			2.910392D	-03			2.016610D	-04		
23	AX	22<	#	5.096647D	-03			1.386767D	-03			1.131308D	-04		
24	AX	23<	#	1.995072D	-03			4.445213D	-04			3.160611D	-05		
25	AX	24<	#	6.275887D	-04			1.457285D	-04			1.206663D	-05		

E = 10.00 eV, j = 4				j' = j				j' = j + 2				j' = j + 4			
1	AX	0<	#	7.404352D	01			1.490671D	01			2.381211D	00		
2	AX	1<	#	8.270983D	01			-9.246549D	00			-7.086021D	-01		
3	AX	2<	#	1.086724D	02			4.931733D	00			1.493867D	00		
4	AX	3<	#	2.769212D	01			-2.270019D	00			-1.488071D	-01		
5	AX	4<	#	-1.501690D	01			4.467542D	00			4.954494D	-02		
6	AX	5<	#	-3.674433D	00			-7.563998D	-01			-3.081180D	-02		
7	AX	6<	#	6.372295D	00			-1.801716D	-01			-1.524138D	-01		
8	AX	7<	#	8.026308D	00			1.543578D	-01			-4.518015D	-02		
9	AX	8<	#	6.871099D	00			-2.771768D	-01			-1.942601D	-02		
10	AX	9<	#	4.950214D	00			-2.960507D	-01			2.164808D	-02		
11	AX	10<	#	3.339233D	00			-2.682488D	-01			3.813462D	-02		
12	AX	11<	#	2.314838D	00			-1.234488D	-01			2.463230D	-02		
13	AX	12<	#	1.821840D	00			-9.311061D	-02			2.601125D	-02		
14	AX	13<	#	1.267516D	00			-3.722877D	-02			4.099578D	-03		
15	AX	14<	#	1.110093D	00			-4.224771D	-02			3.459880D	-03		
16	AX	15<	#	7.135114D	-01			2.028076D	-02			-6.944646D	-04		
17	AX	16<	#	3.534959D	-01			1.905842D	-02			-1.259438D	-03		
18	AX	17<	#	1.880795D	-01			1.778941D	-02			-8.067703D	-04		
19	AX	18<	#	9.961667D	-02			1.546816D	-02			-3.961358D	-04		
20	AX	19<	#	5.330678D	-02			1.071142D	-02			1.291270D	-04		
21	AX	20<	#	2.827247D	-02			6.567818D	-03			2.964120D	-04		
22	AX	21<	#	1.438974D	-02			3.686136D	-03			2.503575D	-04		
23	AX	22<	#	6.848092D	-03			1.794578D	-03			1.458936D	-04		
24	AX	23<	#	2.728050D	-03			6.139995D	-04			4.534491D	-05		
25	AX	24<	#	8.666094D	-04			2.031207D	-04			1.736332D	-05		

E = 0.20 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.767070D-00	1.916985D-02	2.772438D-05
2	A% 1< #	-9.029327D-01	-4.855115D-03	3.762824D-05
3	A% 2< #	-3.146645D-01	-1.090968D-04	3.713486D-05
4	A% 3< #	-9.756725D-02	-1.907660D-03	2.079440D-05
5	A% 4< #	-5.351141D-02	-2.876341D-03	-2.629422D-06
6	A% 5< #	-4.135103D-02	-4.035058D-03	-2.572899D-05
7	A% 6< #	7.262583D-03	-1.611056D-03	-3.416631D-05
8	A% 7< #	1.485024D-02	-1.160599D-03	-4.058795D-05
9	A% 8< #	1.432376D-02	-1.060364D-03	-2.385263D-05
10	A% 9< #	1.240831D-02	-1.081354D-03	-3.258824D-06
11	A% 10< #	1.092625D-02	-1.183850D-03	1.299051D-05
12	A% 11< #	1.055007D-02	-1.207453D-03	2.334546D-05
13	A% 12< #	1.033661D-02	3.001927D-04	3.235739D-05
14	A% 13< #	-4.553717D-03	6.359738D-04	2.351358D-05
15	A% 14< #	-1.585390D-03	5.488929D-04	9.337340D-06
16	A% 15< #	-4.968023D-04	4.409256D-04	-7.427487D-06
17	A% 16< #	-6.936260D-05	3.355738D-04	-1.333913D-05
18	A% 17< #	1.067604D-04	2.252581D-04	-3.081292D-06
19	A% 18< #	1.771404D-04	1.352165D-04	2.009828D-06
20	A% 19< #	1.649254D-04	9.011625D-05	3.070640D-07
21	A% 20< #	1.296633D-04	5.998238D-05	2.511722D-07
22	A% 21< #	9.012592D-05	3.774154D-05	9.118361D-07
23	A% 22< #	5.590447D-05	2.029659D-05	1.380327D-06
24	A% 23< #	2.781152D-05	7.783712D-06	1.355473D-06
25	A% 24< #	1.112442D-05	3.099126D-06	5.229453D-07

E = 0.80 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	9.229153D-00	1.312270D-01	1.537620D-03
2	A% 1< #	-1.161151D-00	-1.054504D-01	-1.796612D-05
3	A% 2< #	-3.854074D-00	3.019812D-02	7.607294D-04
4	A% 3< #	-1.139949D-00	-7.273163D-03	-5.634874D-05
5	A% 4< #	-3.538923D-01	-1.077335D-02	2.951341D-04
6	A% 5< #	-2.377788D-01	-1.751117D-02	-5.010035D-06
7	A% 6< #	1.721694D-02	-1.933649D-03	4.943174D-04
8	A% 7< #	8.230375D-02	-1.145459D-03	-1.135739D-04
9	A% 8< #	7.107175D-02	-8.342251D-04	3.380673D-05
10	A% 9< #	5.388815D-02	-1.385180D-03	-3.783066D-05
11	A% 10< #	4.226409D-02	-2.448776D-03	-2.777097D-05
12	A% 11< #	3.722801D-02	-4.016975D-03	-7.845705D-05
13	A% 12< #	3.156117D-02	2.606699D-03	1.126314D-04
14	A% 13< #	-1.023509D-02	-2.166872D-03	-1.058810D-04
15	A% 14< #	-8.020739D-03	1.816629D-03	3.964837D-05
16	A% 15< #	-2.915457D-03	1.556770D-03	-4.194903D-05
17	A% 16< #	-1.208199D-03	1.209968D-03	-6.308879D-05
18	A% 17< #	-4.112538D-04	8.152091D-04	-1.335139D-05
19	A% 18< #	1.093865D-05	4.872476D-04	1.121993D-05
20	A% 19< #	1.389770D-04	3.073009D-04	6.591544D-06
21	A% 20< #	1.537112D-04	1.902723D-04	4.264006D-06
22	A% 21< #	1.210257D-04	1.077872D-04	3.751007D-06
23	A% 22< #	7.907398D-05	5.006893D-05	3.432613D-06
24	A% 23< #	3.752725D-05	1.175364D-05	2.722374D-06
25	A% 24< #	1.653675D-05	4.978393D-06	1.042750D-06

E = 1.20 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.425848D-01	2.649458D-01	1.657788D-02
2	A% 1< #	1.318535D-00	-2.694068D-01	-8.447656D-04
3	A% 2< #	-7.728260D-00	1.142976D-01	7.197246D-03
4	A% 3< #	-2.652501D-00	-1.128253D-02	4.123168D-05
5	A% 4< #	-2.759557D-01	-1.244796D-02	1.677386D-03
6	A% 5< #	-2.394420D-01	-2.564467D-02	4.438743D-04
7	A% 6< #	1.023967D-01	2.295446D-03	2.770315D-03
8	A% 7< #	2.007820D-01	-2.104941D-03	-1.031667D-03
9	A% 8< #	1.512665D-01	3.590710D-03	3.824182D-04
10	A% 9< #	1.041420D-01	-2.120112D-03	-2.386178D-04
11	A% 10< #	7.372112D-02	-4.590919D-04	-3.911256D-04
12	A% 11< #	5.521418D-02	-4.389934D-03	4.430854D-08
13	A% 12< #	4.405155D-02	5.686280D-03	5.616234D-05
14	A% 13< #	-4.709438D-03	-2.901572D-03	-1.883089D-04
15	A% 14< #	-9.400443D-03	2.410884D-03	7.833643D-05
16	A% 15< #	-2.764933D-03	-2.231844D-03	-7.016668D-05
17	A% 16< #	-1.194370D-03	1.766636D-03	-1.013784D-04
18	A% 17< #	-4.581330D-04	-1.207328D-03	-2.245624D-05
19	A% 18< #	-3.506383D-05	7.343769D-04	1.696825D-05
20	A% 19< #	1.007141D-04	-4.559645D-04	-1.281559D-05
21	A% 20< #	1.240620D-04	2.738331D-04	8.798634D-06
22	A% 21< #	9.912726D-05	1.471190D-04	6.289842D-06
23	A% 22< #	6.297696D-05	6.288338D-05	4.389412D-06
24	A% 23< #	2.565772D-05	9.140470D-06	2.742885D-06
25	A% 24< #	1.260305D-05	4.109399D-06	1.043252D-06

2

E = 1.60 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	1.971675D-01	5.106957D-01	1.335007D-01
2	A% 1< #	4.494041D-00	-5.711611D-01	-3.793594D-03
3	A% 2< #	-1.246012D-01	3.286746D-01	5.613992D-02
4	A% 3< #	-5.274461D-00	-1.792979D-02	9.800224D-05
5	A% 4< #	1.469775D-00	1.013820D-02	7.663630D-03
6	A% 5< #	2.807524D-01	-2.781347D-02	2.063340D-03
7	A% 6< #	4.736961D-01	1.258725D-02	1.018528D-02
8	A% 7< #	5.127582D-01	-8.730313D-03	4.097786D-03
9	A% 8< #	3.339422D-01	1.548093D-02	1.499837D-03
10	A% 9< #	2.085732D-01	-1.232917D-02	-9.643735D-04
11	A% 10< #	1.325872D-01	6.751437D-03	-1.739470D-03
12	A% 11< #	9.176059D-02	-1.542529D-03	-4.869438D-04
13	A% 12< #	6.200916D-02	1.123943D-02	-3.760320D-04
14	A% 13< #	7.456239D-03	3.391548D-03	3.195709D-04
15	A% 14< #	-7.222817D-03	2.737041D-03	1.542240D-04
16	A% 15< #	-3.554229D-04	-2.882637D-03	-1.009612D-04
17	A% 16< #	-8.168634D-05	2.326404D-03	-1.428503D-04
18	A% 17< #	3.476938D-05	-1.618623D-03	-3.383045D-05
19	A% 18< #	1.642515D-04	1.008455D-03	2.146628D-05
20	A% 19< #	1.697969D-04	6.221353D-04	1.993326D-05
21	A% 20< #	1.375786D-04	3.661723D-04	1.456275D-05
22	A% 21< #	9.030167D-05	1.891362D-04	9.515682D-06
23	A% 22< #	4.829421D-05	7.574572D-05	5.416565D-06
24	A% 23< #	1.199664D-05	5.577923D-06	2.458155D-06
25	A% 24< #	7.365437D-06	2.761408D-06	9.254361D-07

E = 2.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	2.439109D C1	1.611721D C0	1.251018D 00
2	A% 1< #	6.413474D C0	-1.202519D C0	-5.580636D C3
3	A% 2< #	-1.267912D C1	8.339680D C1	5.189898D C1
4	A% 3< #	-1.068952D C1	-2.882587D C2	1.262677D C3
5	A% 4< #	1.374958D C1	2.863531D C1	4.428308D C2
6	A% 5< #	2.751702D C0	-5.978356D C3	7.795699D C3
7	A% 6< #	1.897691D C0	3.938671D C2	3.526951D C2
8	A% 7< #	1.483789D C0	2.200178D C2	1.446875D C2
9	A% 8< #	8.558824D C1	5.014321D C2	5.185864D C3
10	A% 9< #	4.916440D C1	4.350793D C2	-3.765129D C3
11	A% 10< #	2.845575D C1	3.050639D C2	-6.604171D C3
12	A% 11< #	1.718281D C1	1.154500D C2	-2.552953D C3
13	A% 12< #	1.026881D C1	2.418063D C2	-2.241547D C3
14	A% 13< #	2.960348D C2	-3.659226D C3	5.721977D C4
15	A% 14< #	-6.713428D C4	2.558291D C3	3.262773D C4
16	A% 15< #	4.544494D C3	3.522492D C3	-1.337181D C4
17	A% 16< #	2.335278D C3	2.899814D C3	-1.871339D C4
18	A% 17< #	1.197914D C3	2.057989D C3	-4.765875D C5
19	A% 18< #	6.929782D C4	1.316920D C3	2.431596D C5
20	A% 19< #	3.999481D C4	-8.122685D C4	2.762562D C5
21	A% 20< #	2.273551D C4	4.722405D C4	2.144380D C5
22	A% 21< #	1.140495D C4	2.375573D C4	1.350117D C5
23	A% 22< #	4.658492D C5	9.111224D C5	6.688286D C6
24	A% 23< #	2.151901D C6	2.483982D C6	2.045500D C6
25	A% 24< #	2.866733D C6	1.460695D C6	7.577590D C7

E = 2.10 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.503551D C1	2.657532D C0	2.407709D 00
2	A% 1< #	6.353712D C0	-1.441657D C0	-8.461577D C3
3	A% 2< #	-5.423415D C0	9.565203D C1	9.968478D C1
4	A% 3< #	-1.287973D C1	-2.345703D C2	2.346013D C3
5	A% 4< #	2.421314D C1	5.866793D C1	7.629096D C2
6	A% 5< #	4.101512D C0	-8.124573D C3	-1.069796D C2
7	A% 6< #	2.644710D C0	5.172091D C2	4.783677D C2
8	A% 7< #	1.966878D C0	2.721460D C2	1.965481D C2
9	A% 8< #	1.109190D C0	6.662783D C2	7.008082D C3
10	A% 9< #	6.279476D C1	5.858087D C2	-5.201013D C3
11	A% 10< #	3.574944D C1	4.219925D C2	-9.107654D C3
12	A% 11< #	2.097335D C1	1.832625D C2	-3.676563D C3
13	A% 12< #	1.219441D C1	2.993277D C2	-3.255769D C3
14	A% 13< #	3.849668D C2	-3.736039D C3	6.673458D C4
15	A% 14< #	2.236269D C3	2.397452D C3	3.951670D C4
16	A% 15< #	6.210326D C3	-3.681536D C3	-1.421012D C4
17	A% 16< #	3.161764D C3	3.045937D C3	-1.985450D C4
18	A% 17< #	1.604367D C3	-2.172903D C3	-5.154702D C5
19	A% 18< #	8.838376D C4	1.400005D C3	2.471377D C5
20	A% 19< #	4.871723D C4	-8.640323D C4	2.961230D C5
21	A% 20< #	2.645664D C4	5.013126D C4	2.332911D C5
22	A% 21< #	1.280510D C4	2.509721D C4	1.462239D C5
23	A% 22< #	4.915235D C5	9.555079D C5	7.759244D C6
24	A% 23< #	7.548626D C7	1.502082D C6	1.937337D C6
25	A% 24< #	2.028517D C6	1.186962D C6	7.137826D C7

E = 2.20 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.484304D C1	4.880305D C0	4.849928D C0
2	A% 1< #	6.441507D C0	-1.625975D C0	-1.014865D C0
3	A% 2< #	1.587114D C1	8.335750D C1	2.004840D C0
4	A% 3< #	-1.490930D C1	-7.062536D C3	-4.264829D C3
5	A% 4< #	4.347185D C1	1.237147D C0	1.381058D C1
6	A% 5< #	5.581451D C0	-2.241178D C2	-1.371722D C2
7	A% 6< #	3.455202D C0	6.471451D C2	6.105370D C2
8	A% 7< #	-2.488490D C0	-3.232455D C2	-2.505062D C2
9	A% 8< #	1.385173D C0	8.351756D C2	8.901793D C3
10	A% 9< #	7.780883D C0	-7.404951D C2	-6.736612D C3
11	A% 10< #	4.393149D C1	5.417804D C2	-1.177330D C2
12	A% 11< #	2.529039D C1	-2.521178D C2	-4.921249D C3
13	A% 12< #	1.448014D C1	3.576192D C2	-4.372927D C3
14	A% 13< #	4.549674D C2	-3.891966D C3	7.486044D C4
15	A% 14< #	6.676569D C3	2.284422D C3	4.531461D C4
16	A% 15< #	8.057292D C3	-3.840869D C3	-1.506385D C4
17	A% 16< #	4.080110D C3	3.193596D C3	-2.101770D C4
18	A% 17< #	2.059524D C3	-2.290052D C3	-5.556288D C5
19	A% 18< #	1.099499D C3	1.485627D C3	2.501400D C5
20	A% 19< #	5.872530D C4	-0.176025D C4	3.161960D C5
21	A% 20< #	3.082849D C4	5.314922D C4	2.527880D C5
22	A% 21< #	1.442965D C4	-2.649727D C4	1.579464D C5
23	A% 22< #	5.312674D C5	1.002714D C4	7.454272D C6
24	A% 23< #	-1.153084D C7	1.422208D C6	1.830289D C6
25	A% 24< #	1.341653D C6	9.432808D C7	6.702163D C7

E = 2.30 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.055905D C1	9.209638D C0	9.473812D C0
2	A% 1< #	8.700317D C0	-1.394322D C0	3.339258D C2
3	A% 2< #	6.760459D C1	-1.708231D C1	3.911699D C0
4	A% 3< #	-1.402047D C1	-1.072226D C1	-6.853855D C3
5	A% 4< #	7.394887D C1	2.505637D C0	2.432496D C1
6	A% 5< #	5.444894D C0	-1.239640D C2	1.297113D C2
7	A% 6< #	3.385137D C0	6.403540D C2	5.846597D C2
8	A% 7< #	2.471229D C0	-3.208683D C2	-2.382489D C2
9	A% 8< #	1.394329D C0	7.958007D C2	8.464289D C3
10	A% 9< #	7.940216D C1	-7.022022D C2	-6.507112D C3
11	A% 10< #	4.550364D C1	5.077086D C2	-1.134324D C2
12	A% 11< #	2.641591D C1	-2.252721D C2	-4.858840D C3
13	A% 12< #	1.555012D C1	3.470391D C2	-4.290349D C3
14	A% 13< #	5.562499D C2	-4.225137D C3	6.915585D C4
15	A% 14< #	1.429446D C2	2.617184D C3	4.010165D C4
16	A% 15< #	1.008718D C2	-4.000365D C3	-1.592601D C4
17	A% 16< #	5.092663D C3	3.342747D C3	-2.219663D C4
18	A% 17< #	2.564406D C3	-2.409492D C3	-5.974869D C5
19	A% 18< #	1.340787D C3	1.573849D C3	2.518507D C5
20	A% 19< #	7.006217D C4	-9.730446D C4	3.364315D C5
21	A% 20< #	3.587941D C4	5.628305D C4	2.729195D C5
22	A% 21< #	1.638546D C4	-2.795996D C4	1.701954D C5
23	A% 22< #	5.860262D C5	1.052977D C4	7.875030D C6
24	A% 23< #	-4.133979D C7	-1.055649D C6	1.725611D C6
25	A% 24< #	8.222572D C7	7.337948D C7	6.275937D C7

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E = 2.32 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.394749D 01	1.028366D 01	1.058756D 01
2	AX 1< #	9.781216D 00	-1.232468D 00	-4.391367D 02
3	AX 2< #	8.210894D 01	-5.542935D 01	4.370826D 00
4	AX 3< #	-1.248620D 01	1.395048D 01	-7.239141D 03
5	AX 4< #	8.015373D 01	2.818451D 00	2.663776D 01
6	AX 5< #	4.857145D 00	2.635907D 03	-1.158950D 02
7	AX 6< #	3.068760D 00	5.934950D 02	5.272100D 02
8	AX 7< #	-2.283102D 00	-3.040612D 02	-2.140975D 02
9	AX 8< #	1.303624D 00	7.207246D 02	7.615429D 03
10	AX 9< #	-7.496832D 01	-6.321207D 02	-5.864796D 03
11	AX 10< #	4.339795D 01	4.512295D 02	-1.021704D 02
12	AX 11< #	-2.544042D 01	1.893227D 02	-4.386144D 03
13	AX 12< #	1.524556D 01	3.228984D 02	-3.854271D 03
14	AX 13< #	-6.060469D 02	-4.313957D 03	-6.422753D 04
15	AX 14< #	1.628179D 02	2.803431D 03	3.602690D 04
16	AX 15< #	-1.051534D 02	4.032284D 03	-1.609999D 04
17	AX 16< #	5.306629D 03	3.372764D 03	-2.243415D 04
18	AX 17< #	-2.671434D 03	-2.433655D 03	-6.060590D 05
19	AX 18< #	1.392173D 03	1.591807D 03	2.520388D 05
20	AX 19< #	-7.249243D 04	-9.843596D 04	-3.404980D 05
21	AX 20< #	3.697325D 04	5.692393D 04	2.770214D 05
22	AX 21< #	-1.681769D 04	-2.826019D 04	-1.727078D 05
23	AX 22< #	5.988539D 05	1.063408D 04	7.962318D 06
24	AX 23< #	-4.006465D 07	-9.568709D 07	-1.705070D 06
25	AX 24< #	7.398246D 07	6.963509D 07	6.192291D 07

E = 2.34 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.705430D 01	1.134244D 01	1.166676D 01
2	AX 1< #	-1.113741D 01	-1.029206D 00	-5.535676D 02
3	AX 2< #	9.719839D 01	-9.984014D 01	4.815523D 00
4	AX 3< #	-1.157464D 01	1.750436D 01	-7.504169D 03
5	AX 4< #	8.557362D 01	3.125372D 00	2.876598D 01
6	AX 5< #	3.999865D 00	-1.071024D 02	-9.628860D 03
7	AX 6< #	2.607639D 00	5.251786D 02	4.451931D 02
8	AX 7< #	-2.006683D 00	-2.799040D 02	-1.797951D 02
9	AX 8< #	1.168447D 00	6.144275D 02	6.410685D 03
10	AX 9< #	-6.822931D 01	-5.329918D 02	-4.939200D 03
11	AX 10< #	4.010131D 01	3.716676D 02	-8.597756D 03
12	AX 11< #	-2.386704D 01	-1.392421D 02	-3.690196D 03
13	AX 12< #	1.467088D 01	2.885684D 02	-3.215692D 03
14	AX 13< #	-6.092429D 02	-4.404115D 03	-5.769767D 04
15	AX 14< #	1.836053D 02	3.039084D 03	3.067337D 04
16	AX 15< #	-1.095095D 02	4.064216D 03	-1.627318D 04
17	AX 16< #	5.524463D 03	3.402845D 03	-2.267184D 04
18	AX 17< #	-2.780503D 03	-2.457913D 03	-6.146926D 05
19	AX 18< #	1.444617D 03	1.609870D 03	2.521744D 05
20	AX 19< #	-7.497781D 04	-9.957494D 04	-3.445692D 05
21	AX 20< #	3.809550D 04	5.756953D 04	2.811480D 05
22	AX 21< #	-1.726384D 04	-2.856291D 04	-1.752409D 05
23	AX 22< #	6.123183D 05	1.073960D 04	8.050599D 06
24	AX 23< #	-3.630558D 07	-9.430997D 07	-1.684669D 06
25	AX 24< #	6.648125D 07	6.604611D 07	6.109266D 07

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E = 2.36 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.964888D 01	1.231988D 01	1.263932D 01
2	AX 1< #	1.275586D 01	-7.845812D 01	-6.732368D 02
3	AX 2< #	1.120714D 02	-1.488110D 00	5.216144D 00
4	AX 3< #	-9.802161D 00	2.123745D 01	-7.587539D 03
5	AX 4< #	8.972378D 01	3.406765D 00	3.054450D 01
6	AX 5< #	2.870642D 00	-2.759276D 02	-7.094608D 03
7	AX 6< #	2.000875D 00	4.354587D 02	3.386962D 02
8	AX 7< #	1.641497D 00	-2.486340D 02	-1.354043D 02
9	AX 8< #	9.884321D 01	4.772566D 02	4.852886D 03
10	AX 9< #	5.915416D 01	-4.051234D 02	-3.729743D 03
11	AX 10< #	3.558813D 01	2.692755D 02	-6.485073D 03
12	AX 11< #	2.167904D 01	-7.523110D 03	-2.768083D 03
13	AX 12< #	1.381215D 01	2.441925D 02	-2.372158D 03
14	AX 13< #	-6.048968D 02	-4.490161D 03	-4.968632D 04
15	AX 14< #	2.046916D 02	3.319791D 03	2.412963D 04
16	AX 15< #	1.139400D 02	4.096162D 03	-1.644657D 04
17	AX 16< #	5.746153D 03	3.432956D 03	-2.290997D 04
18	AX 17< #	2.891612D 03	-2.482266D 03	-5.233898D 05
19	AX 18< #	1.498119D 03	1.628040D 03	2.522610D 05
20	AX 19< #	7.751853D 04	-1.007217D 03	3.486478D 05
21	AX 20< #	3.924619D 04	5.821983D 04	2.852994D 05
22	AX 21< #	1.772400D 04	-2.886317D 04	-1.777943D 05
23	AX 22< #	6.264299D 05	1.084643D 04	8.139959D 06
24	AX 23< #	-3.002301D 07	-8.944614D 07	-1.664439D 06
25	AX 24< #	5.973351D 07	6.261547D 07	6.026902D 07

E = 2.38 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	7.151331D 01	1.314561D 01	1.343068D 01
2	AX 1< #	1.458819D 01	-5.086938D 01	-7.914559D 02
3	AX 2< #	1.257775D 02	-1.995482D 00	5.541950D 00
4	AX 3< #	-7.733484D 00	2.494858D 01	-7.454943D 03
5	AX 4< #	9.216986D 01	3.641846D 00	3.181555D 01
6	AX 5< #	1.500178D 00	-4.751371D 02	-4.062332D 03
7	AX 6< #	1.265394D 00	3.270479D 02	2.108671D 02
8	AX 7< #	1.197956D 00	-2.114165D 02	-8.225800D 03
9	AX 8< #	7.686850D 01	3.134612D 02	2.989131D 03
10	AX 9< #	4.799463D 01	-2.524335D 02	-2.270740D 03
11	AX 10< #	2.997791D 01	1.471799D 02	-3.939600D 03
12	AX 11< #	1.893213D 01	-7.378043D 05	-1.644122D 03
13	AX 12< #	1.268759D 01	1.911840D 02	-1.346151D 03
14	AX 13< #	5.928152D 02	-4.565854D 03	-4.051952D 04
15	AX 14< #	2.248963D 02	3.634590D 03	1.665388D 04
16	AX 15< #	1.184452D 02	-4.128115D 03	-1.662010D 04
17	AX 16< #	5.971725D 03	3.463213D 03	-2.314852D 04
18	AX 17< #	3.004777D 03	-2.506714D 03	-6.321579D 05
19	AX 18< #	1.552688D 03	1.646317D 03	2.522929D 05
20	AX 19< #	8.011506D 04	-1.018763D 03	-3.527324D 05
21	AX 20< #	4.042569D 04	5.887499D 04	2.894766D 05
22	AX 21< #	1.819843D 04	-2.917617D 04	-1.803596D 05
23	AX 22< #	6.411963D 05	1.095459D 04	8.230385D 06
24	AX 23< #	-2.119106D 07	-3.509959D 07	-1.644365D 06
25	AX 24< #	5.375052D 07	5.934608D 07	5.945235D 07



E = 2.40 eV, j = 5			j' = j	j' = j + 2	j' = j + 4		
1	A% 0< #	7.249024D	C1	1.375838D	C1	1.397849D	C1
2	A% 1< #	1.455273D	C1	-2.168074D	C1	0.011013D	C2
3	A% 2< #	1.373800D	C2	-2.502620D	C0	5.767145D	C0
4	A% 3< #	-5.479178D	C0	2.840987D	C1	7.095168D	C3
5	A% 4< #	9.262902D	C1	3.812725D	C0	3.246268D	C1
6	A% 5< #	-4.642625D	C2	-6.953127D	C2	-6.794810D	C4
7	A% 6< #	4.370382D	C1	2.053743D	C2	6.783358D	C3
8	A% 7< #	6.578585D	C1	-1.703355D	C2	-2.296372D	C3
9	A% 8< #	5.196371D	C1	1.311445D	C2	9.085334D	C4
10	A% 9< #	3.528534D	C1	-8.245217D	C3	-6.328062D	C4
11	A% 10< #	2.353744D	C1	1.138388D	C3	-1.084292D	C3
12	A% 11< #	1.575578D	C1	-8.494504D	C3	-3.710185D	C4
13	A% 12< #	1.134947D	C1	1.322166D	C2	-1.869807D	C4
14	A% 13< #	5.736635D	C2	-4.625142D	C3	3.067235D	C4
15	A% 14< #	2.435770D	C2	3.966813D	C3	8.662725D	C5
16	A% 15< #	1.230774D	C2	-4.160246D	C3	-1.676754D	C4
17	A% 16< #	6.200516D	C3	3.493636D	C3	-2.336363D	C4
18	A% 17< #	3.119741D	C3	2.531204D	C3	-6.414007D	C5
19	A% 18< #	1.608336D	C3	1.664655D	C3	2.519551D	C5
20	A% 19< #	8.276786D	C4	-1.030388D	C3	3.568267D	C5
21	A% 20< #	4.163428D	C4	5.953513D	C4	2.936778D	C5
22	A% 21< #	1.868722D	C4	-2.948687D	C4	1.829664D	C5
23	A% 22< #	6.566303D	C5	1.106418D	C4	8.321954D	C6
24	A% 23< #	-9.779589D	C8	-8.127685D	C7	1.624446D	C6
25	A% 24< #	4.854342D	C7	5.624081D	C7	5.864303D	C7

E = 2.42 eV, j = 5			j' = j	j' = j + 2	j' = j + 4		
1	AX 0< #	7.252276D	01	1.411965D	01	1.424673D	01
2	AX 1< #	1.854662D	01	7.245891D	02	9.944325D	02
3	AX 2< #	1.461473D	02	-2.966714D	00	5.877287D	00
4	AX 3< #	-3.179034D	00	-3.141749D	01	6.519297D	03
5	AX 4< #	9.104835D	01	3.908381D	00	3.244020D	01
6	AX 5< #	-1.678920D	00	-9.238383D	02	-2.851315D	03
7	AX 6< #	-4.363235D	01	7.792848D	03	-8.150637D	03
8	AX 7< #	1.707125D	01	-1.280487D	02	-3.896575D	03
9	AX 8< #	2.570596D	01	-5.871019D	03	-1.256985D	03
10	AX 9< #	2.181775D	01	-9.466252D	03	1.088777D	03
11	AX 10< #	1.666935D	01	-1.300374D	02	1.912933D	03
12	AX 11< #	1.235076D	01	-1.724956D	02	9.769179D	04
13	AX 12< #	9.884651D	02	7.088184D	03	1.039965D	03
14	AX 13< #	5.492701D	02	-4.663993D	03	2.084985D	04
15	AX 14< #	2.599655D	02	4.296282D	03	6.403446D	06
16	AX 15< #	1.276620D	02	4.192211D	03	-1.694144D	04
17	AX 16< #	6.433840D	03	3.523987D	03	-2.360275D	04
18	AX 17< #	3.237021D	03	-2.555842D	03	-6.503086D	05
19	AX 18< #	1.665044D	03	1.683146D	03	2.518793D	05
20	AX 19< #	8.547679D	04	-1.042089D	03	3.609139D	05
21	AX 20< #	4.287186D	04	6.019995D	04	2.979022D	05
22	AX 21< #	1.919040D	04	-2.980021D	04	1.855840D	05
23	AX 22< #	6.727315D	05	1.117513D	04	8.414631D	06
24	AX 23< #	4.247818D	06	-7.798983D	07	1.604718D	06
25	AX 24< #	4.412319D	07	5.330249D	07	5.784143D	07

E = 2.44 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	7.166651D 01	1.422170D 01	1.423352D 01
2	AX 1< #	2.046690D 01	3.420449D 01	1.667683D 01
3	AX 2< #	1.517044D 02	3.366763D 00	5.871272D 00
4	AX 3< #	9.740146D 01	3.381827D 01	5.770618D 03
5	AX 4< #	8.761482D 01	3.927005D 00	3.178209D 01
6	AX 5< #	3.299447D 00	1.147581D 01	6.322509D 03
7	AX 6< #	1.301659D 00	4.760037D 03	2.284972D 02
8	AX 7< #	3.511991D 01	8.728530D 03	9.921658D 03
9	AX 8< #	3.367720D 03	2.447140D 02	3.383491D 03
10	AX 9< #	8.415313D 02	2.683038D 02	2.790191D 03
11	AX 10< #	9.797163D 02	2.686510D 02	4.872392D 03
12	AX 11< #	9.928406D 02	2.579404D 02	2.319403D 03
13	AX 12< #	9.387414D 02	1.090348D 03	2.260141D 03
14	AX 13< #	5.218021D 02	4.686257D 03	1.161357D 04
15	AX 14< #	2.735890D 02	4.603972D 03	6.917026D 05
16	AX 15< #	1.323917D 02	4.224196D 03	1.711474D 04
17	AX 16< #	6.671050D 03	3.554408D 03	2.384230D 04
18	AX 17< #	3.356370D 03	2.580578D 03	6.592861D 05
19	AX 18< #	1.722828D 03	1.701747D 03	2.517476D 05
20	AX 19< #	8.824216D 04	1.053868D 03	3.650087D 05
21	AX 20< #	4.413873D 04	6.086975D 04	3.021510D 05
22	AX 21< #	1.970814D 04	3.011634D 04	1.882239D 05
23	AX 22< #	6.895018D 05	1.128738D 04	8.508443D 06
24	AX 23< #	2.062292D 07	7.524768D 07	1.585203D 06
25	AX 24< #	4.050071D 07	5.053393D 07	5.704791D 07

E = 2.46 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	7.007135D 01	1.408654D 01	1.396857D 01
2	AX 1< #	2.222855D 01	5.782810D 01	1.118526D 01
3	AX 2< #	1.540713D 02	3.687160D 00	5.761506D 00
4	AX 3< #	1.019045D 00	3.554732D 01	4.902621D 03
5	AX 4< #	8.270560D 01	3.875565D 00	3.058963D 01
6	AX 5< #	4.820903D 00	1.355179D 01	9.548369D 03
7	AX 6< #	2.112283D 00	1.643469D 02	3.653021D 02
8	AX 7< #	8.394030D 01	5.035944D 03	1.563472D 02
9	AX 8< #	2.472710D 01	4.169374D 02	5.357507D 03
10	AX 9< #	4.173153D 02	4.292315D 02	4.380570D 03
11	AX 10< #	3.310322D 02	3.971135D 02	7.635925D 03
12	AX 11< #	5.685278D 02	3.370689D 02	3.583982D 03
13	AX 12< #	6.948431D 02	4.448591D 03	3.408110D 03
14	AX 13< #	4.936512D 02	4.674775D 03	3.451592D 05
15	AX 14< #	2.843783D 02	4.874988D 03	1.362284D 04
16	AX 15< #	1.371967D 02	4.256193D 03	1.728849D 04
17	AX 16< #	6.912153D 03	3.584897D 03	2.408247D 04
18	AX 17< #	3.477795D 03	2.605414D 03	6.683336D 05
19	AX 18< #	1.781694D 03	1.720459D 03	2.515618D 05
20	AX 19< #	9.106440D 04	1.065729D 03	3.691101D 05
21	AX 20< #	4.543512D 04	6.154467D 04	3.064267D 05
22	AX 21< #	2.024052D 04	3.043524D 04	1.908853D 05
23	AX 22< #	7.069548D 05	1.140107D 04	8.603396D 06
24	AX 23< #	4.027505D 07	7.305780D 07	1.565908D 06
25	AX 24< #	3.768669D 07	4.793788D 07	5.626283D 07

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E = 2.48 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.793996D 01	1.375745D 01	1.350309D 01
2	AX 1< #	2.377702D 01	7.733036D 01	1.147625D 01
3	AX 2< #	1.535988D 02	-3.923209D 00	5.569136D 00
4	AX 3< #	2.724519D 00	3.661934D 01	3.973649D 03
5	AX 4< #	7.679066D 01	3.767235D 00	2.900396D 01
6	AX 5< #	6.180753D 00	-1.538813D 01	-1.240035D 02
7	AX 6< #	-2.834849D 00	-2.674890D 02	-4.864211D 02
8	AX 7< #	-1.273591D 00	-1.879941D 03	-2.062971D 02
9	AX 8< #	-4.643455D 01	-5.685182D 02	-7.100207D 03
10	AX 9< #	-1.540584D 01	-5.710463D 02	-5.795383D 03
11	AX 10< #	-2.505411D 02	-5.103503D 02	1.009167D 02
12	AX 11< #	2.767240D 02	-4.067108D 02	-4.718292D 03
13	AX 12< #	5.637598D 02	-9.306400D 03	4.436590D 03
14	AX 13< #	4.668991D 02	-4.650380D 03	-3.343518D 05
15	AX 14< #	2.925844D 02	5.100625D 03	-1.924065D 04
16	AX 15< #	1.420772D 02	4.288203D 03	-1.746254D 04
17	AX 16< #	7.157155D 03	3.615452D 03	-2.432321D 04
18	AX 17< #	3.601301D 03	-2.630348D 03	-6.774475D 05
19	AX 18< #	1.841646D 03	1.739279D 03	2.513244D 05
20	AX 19< #	9.394365D 04	-1.077668D 03	3.732177D 05
21	AX 20< #	4.676114D 04	6.222459D 04	3.107270D 05
22	AX 21< #	2.078766D 04	-3.075696D 04	-1.935678D 05
23	AX 22< #	7.250928D 05	1.151616D 04	8.699501D 06
24	AX 23< #	6.233316D 07	-7.142752D 07	-1.546844D 06
25	AX 24< #	3.569172D 07	4.551707D 07	5.548655D 07

E = 2.50 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	6.548334D 01	1.328714D 01	1.289663D 01
2	AX 1< #	2.509106D 01	9.250072D 01	1.159313D 01
3	AX 2< #	1.508369D 02	-4.079387D 00	5.318686D 00
4	AX 3< #	4.110739D 00	3.710700D 01	3.016332D 03
5	AX 4< #	7.033644D 01	3.617873D 00	2.717468D 01
6	AX 5< #	-7.345490D 00	-1.694664D 01	-1.481528D 02
7	AX 6< #	-3.451661D 00	-3.545535D 02	-5.890396D 02
8	AX 7< #	-1.643023D 00	-6.715435D 04	-2.485236D 02
9	AX 8< #	-6.490833D 01	-6.960742D 02	-8.572233D 03
10	AX 9< #	-2.498780D 01	-6.905824D 02	7.000720D 03
11	AX 10< #	-7.490211D 02	-6.058533D 02	1.218141D 02
12	AX 11< #	2.575846D 03	-4.653652D 02	5.694005D 03
13	AX 12< #	4.497542D 02	-1.337472D 02	5.319858D 03
14	AX 13< #	4.430539D 02	-4.610945D 03	-8.677893D 05
15	AX 14< #	2.986653D 02	5.278329D 03	-2.368734D 04
16	AX 15< #	1.470338D 02	-4.320234D 03	-1.763587D 04
17	AX 16< #	7.406069D 03	3.646072D 03	-2.456430D 04
18	AX 17< #	3.726856D 03	-2.655379D 03	-6.866241D 05
19	AX 18< #	1.902686D 03	1.758209D 03	2.510331D 05
20	AX 19< #	9.688015D 04	-1.089687D 03	3.773280D 05
21	AX 20< #	4.811690D 04	6.290946D 04	3.150503D 05
22	AX 21< #	2.134958D 04	-3.108135D 04	-1.962710D 05
23	AX 22< #	7.439171D 05	1.163258D 04	8.796731D 06
24	AX 23< #	8.712588D 07	-7.036406D 07	-1.528019D 06
25	AX 24< #	3.452628D 07	4.327420D 07	5.471941D 07

E = 2.52 eV, j = 5				j' = j				j' = j + 2				j' = j + 4			
1	AX 0< #	6.288751D	01	1.272742D	01	1.220627D	01								
2	AX 1< #	2.617110D	01	1.035052D	00	<del>1.150492D-01</del>									
3	AX 2< #	1.463966D	02	-4.165902D	00	5.033791D	00								
4	AX 3< #	5.181404D	00	3.714567D	-01	<del>2.150369D-03</del>									
5	AX 4< #	6.373802D	01	3.442365D	00	2.523223D	-01								
6	AX 5< #	<del>-9.307334D-00</del>		-1.822795D	-01	<del>-1.677354D-02</del>									
7	AX 6< #	-3.958588D	00	-4.250773D	-02	-6.726897D	-02								
8	AX 7< #	<del>-1.945245D-00</del>		-2.622253D	-03	<del>-2.828579D-02</del>									
9	AX 8< #	-8.001438D	-01	-7.991820D	-02	-9.767289D	-03								
10	AX 9< #	<del>-3.284021D-01</del>		-7.874001D	-02	<del>7.989420D-03</del>									
11	AX 10< #	-1.159579D	-01	-6.832769D	-02	1.389305D	-02								
12	AX 11< #	<del>-1.816404D-02</del>		-5.128635D	-02	<del>6.502765D-03</del>									
13	AX 12< #	3.545668D	-02	-1.664034D	-02	6.051977D	-03								
14	AX 13< #	<del>4.230101D-02</del>		<del>4.560929D-03</del>		<del>-1.257789D-04</del>									
15	AX 14< #	3.031640D	-02	5.410419D	-03	-2.701170D	-04								
16	AX 15< #	<del>1.520661D-02</del>		<del>4.352196D-03</del>		<del>-1.781314D-04</del>									
17	AX 16< #	7.658905D	-03	3.676756D	-03	-2.480643D	-04								
18	AX 17< #	<del>3.854587D-03</del>		<del>-2.680509D-03</del>		<del>-6.958732D-05</del>									
19	AX 18< #	1.964821D	-03	1.777248D	-03	2.506870D	-05								
20	AX 19< #	<del>9.987430D-04</del>		<del>-1.101785D-03</del>		<del>3.814422D-05</del>									
21	AX 20< #	4.950266D	-04	6.359942D	-04	3.193989D	-05								
22	AX 21< #	<del>2.192649D-04</del>		<del>-3.140861D-04</del>		<del>-1.989959D-05</del>									
23	AX 22< #	7.634447D	-05	1.175052D	-04	8.895167D	-06								
24	AX 23< #	<del>1.146832D-06</del>		<del>-6.987483D-07</del>		<del>-1.505445D-06</del>									
25	AX 24< #	3.420981D	-07	4.121195D	-07	5.396189D	-07								

E = 2.54 eV, j = 5				j' = j				j' = j + 2				j' = j + 4			
1	AX 0< #	6.029658D	01	1.212250D	01	1.147911D	01								
2	AX 1< #	<del>2.704241D-01</del>		<del>-1.108961D-00</del>		<del>-1.133200D-01</del>									
3	AX 2< #	1.408511D	02	-4.195905D	00	4.733816D	00								
4	AX 3< #	<del>5.966281D-00</del>		<del>3.680132D-01</del>		<del>-1.296948D-03</del>									
5	AX 4< #	5.729024D	01	3.255363D	00	2.328259D	-01								
6	AX 5< #	<del>-9.076515D-00</del>		<del>-1.924223D-01</del>		<del>-1.831841D-02</del>									
7	AX 6< #	-4.361957D	00	-4.801134D	-02	-7.385689D	-02								
8	AX 7< #	<del>-2.184147D-00</del>		<del>-4.015500D-03</del>		<del>-3.098085D-02</del>									
9	AX 8< #	-9.194085D	-01	-8.794606D	-02	-1.070374D	-02								
10	AX 9< #	<del>-3.905239D-01</del>		<del>-8.630414D-02</del>		<del>-8.775047D-03</del>									
11	AX 10< #	-1.486181D	-01	-7.438714D	-02	1.525042D	-02								
12	AX 11< #	<del>-3.471941D-02</del>		<del>-5.500019D-02</del>		<del>7.154095D-03</del>									
13	AX 12< #	2.778445D	-02	-1.916092D	-02	6.640034D	-03								
14	AX 13< #	<del>4.070742D-02</del>		<del>-4.503920D-03</del>		<del>-1.523838D-04</del>									
15	AX 14< #	3.065982D	-02	5.502131D	-03	-2.932522D	-04								
16	AX 15< #	<del>1.571753D-02</del>		<del>-4.384251D-03</del>		<del>-1.798809D-04</del>									
17	AX 16< #	7.915672D	-03	3.707503D	-03	-2.504893D	-04								
18	AX 17< #	<del>3.984377D-03</del>		<del>-2.705736D-03</del>		<del>-7.051840D-05</del>									
19	AX 18< #	2.028051D	-03	1.796396D	-03	2.502883D	-05								
20	AX 19< #	<del>1.029261D-03</del>		<del>-1.113962D-03</del>		<del>3.855607D-05</del>									
21	AX 20< #	5.091844D	-04	6.429428D	-04	3.237711D	-05								
22	AX 21< #	<del>2.251838D-04</del>		<del>-3.173861D-04</del>		<del>-2.017416D-05</del>									
23	AX 22< #	7.836677D	-05	1.186977D	-04	8.994718D	-06								
24	AX 23< #	<del>1.450297D-06</del>		<del>-6.956640D-07</del>		<del>-1.491126D-06</del>									
25	AX 24< #	3.472535D	-07	3.933293D	-07	5.321408D	-07								

E = 2.56 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.781037D 01	1.150634D 01	1.075094D 01
2	AX 1< #	2.773334D 01	1.152365D 00	1.109036D 01
3	AX 2< #	1.346775D 02	4.182455D 00	4.433482D 00
4	AX 3< #	6.503740D 00	3.622623D 01	5.369738D 04
5	AX 4< #	5.118618D 01	3.065276D 00	2.140130D 01
6	AX 5< #	9.675449D 00	2.003844D 01	1.949554D 02
7	AX 6< #	4.671953D 00	5.198927D 02	7.879981D 02
8	AX 7< #	2.366473D 00	4.937598D 03	3.302672D 02
9	AX 8< #	1.009908D 00	9.404547D 02	1.139981D 02
10	AX 9< #	4.380795D 01	9.201011D 02	9.380536D 03
11	AX 10< #	1.737799D 01	7.897011D 02	1.629386D 02
12	AX 11< #	4.752580D 02	5.780714D 02	7.664792D 03
13	AX 12< #	2.179657D 02	2.102715D 02	7.099605D 03
14	AX 13< #	3.951374D 02	4.445035D 03	1.684240D 04
15	AX 14< #	3.093882D 02	5.561216D 03	3.078075D 04
16	AX 15< #	1.623437D 02	4.417009D 03	1.814218D 04
17	AX 16< #	8.175738D 03	3.738857D 03	2.527292D 04
18	AX 17< #	4.115947D 03	2.731079D 03	7.146590D 05
19	AX 18< #	2.092333D 03	1.815623D 03	2.497390D 05
20	AX 19< #	1.060363D 03	1.126222D 03	3.896828D 05
21	AX 20< #	5.236468D 04	6.495447D 04	3.281686D 05
22	AX 21< #	2.312551D 04	3.207160D 04	2.045097D 05
23	AX 22< #	8.046063D 05	1.199059D 04	9.095537D 06
24	AX 23< #	1.781966D 06	7.064624D 07	1.473073D 06
25	AX 24< #	3.611021D 07	3.763970D 07	5.247648D 07

E = 2.58 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.548966D 01	1.090284D 01	1.004598D 01
2	AX 1< #	2.827691D 01	1.171524D 00	1.078420D 01
3	AX 2< #	1.282424D 02	4.137289D 00	4.142780D 00
4	AX 3< #	6.840483D 00	3.546136D 01	1.766248D 04
5	AX 4< #	4.553507D 01	2.879718D 00	1.962642D 01
6	AX 5< #	1.012837D 01	2.063064D 01	2.036111D 02
7	AX 6< #	4.905204D 00	5.496660D 02	8.249724D 02
8	AX 7< #	2.501462D 00	5.453728D 03	3.452603D 02
9	AX 8< #	1.076805D 00	9.840106D 02	1.191726D 02
10	AX 9< #	4.730649D 01	9.615782D 02	9.833584D 03
11	AX 10< #	1.924370D 01	8.231457D 02	1.707223D 02
12	AX 11< #	5.705530D 02	5.985497D 02	8.055147D 03
13	AX 12< #	1.730286D 02	2.234886D 02	7.450620D 03
14	AX 13< #	3.870120D 02	4.382673D 03	1.758231D 04
15	AX 14< #	3.119494D 02	5.591826D 03	3.155376D 04
16	AX 15< #	1.676061D 02	4.449118D 03	1.831748D 04
17	AX 16< #	8.440383D 03	3.769749D 03	2.551638D 04
18	AX 17< #	4.249947D 03	2.756509D 03	7.240986D 05
19	AX 18< #	2.157765D 03	1.834994D 03	2.492353D 05
20	AX 19< #	1.092046D 03	1.138560D 03	3.938091D 05
21	AX 20< #	5.384119D 04	6.569945D 04	3.325891D 05
22	AX 21< #	2.374777D 04	3.240724D 04	2.072979D 05
23	AX 22< #	8.262538D 05	1.211278D 04	9.197489D 06
24	AX 23< #	2.142094D 06	7.192098D 07	1.455293D 06
25	AX 24< #	3.836527D 07	3.613482D 07	5.174928D 07

E = 2.60 eV, j = 5

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	5.336567D C1	1.032723D C1	9.379065D C0
2	A% 1< #	2.870327D C0	1.171985D C0	1.046964D C0
3	A% 2< #	1.218073D C2	4.070219D C0	3.867812D C0
4	A% 3< #	7.016332D C0	3.459746D C1	2.481287D C4
5	A% 4< #	4.038331D C1	2.703055D C0	1.798571D C1
6	A% 5< #	1.046190D C1	2.106706D C1	2.097591D C2
7	A% 6< #	5.074433D C0	5.700482D C2	8.511916D C2
8	A% 7< #	2.597357D C0	5.651309D C3	3.558035D C2
9	A% 8< #	1.123962D C0	1.013966D C1	1.227966D C2
10	A% 9< #	4.577585D C1	9.904100D C2	1.016185D C2
11	A% 10< #	2.057429D C1	8.465470D C2	1.763398D C2
12	A% 11< #	6.388273D C2	6.128822D C2	8.346887D C3
13	A% 12< #	1.405950D C2	2.322842D C2	7.711930D C3
14	A% 13< #	3.822200D C2	4.320311D C3	1.765550D C4
15	A% 14< #	3.145113D C2	5.601170D C3	3.173487D C4
16	A% 15< #	1.729460D C2	4.481255D C3	1.849211D C4
17	A% 16< #	8.709011D C3	3.800714D C3	2.576036D C4
18	A% 17< #	4.386075D C3	2.782044D C3	7.336084D C5
19	A% 18< #	2.224312D C3	1.854480D C3	2.486754D C5
20	A% 19< #	1.124319D C3	1.150983D C3	3.979396D C5
21	A% 20< #	5.534854D C4	6.640983D C4	3.370352D C5
22	A% 21< #	2.438547D C4	3.274590D C4	2.101084D C5
23	A% 22< #	8.486239D C5	1.223648D C4	9.300667D C6
24	A% 23< #	2.530969D C6	7.375757D C7	1.437792D C6
25	A% 24< #	4.150047D C7	3.482064D C7	5.103260D C7

E = 2.70 eV, j = 5

j' = j

j' = j + 2

j' = j + 4

1	A% 0< #	4.568731D C1	8.039603D C0	6.756151D C0
2	A% 1< #	2.585139D C1	1.025972D C0	8.774884D C2
3	A% 2< #	9.376981D C1	3.616327D C0	2.786967D C0
4	A% 3< #	6.543270D C0	3.018579D C1	3.198790D C3
5	A% 4< #	2.157771D C1	2.000284D C0	1.182178D C1
6	A% 5< #	1.105027D C1	2.188511D C1	2.180450D C2
7	A% 6< #	5.343504D C0	5.883457D C2	8.868614D C2
8	A% 7< #	2.724621D C0	3.892865D C3	3.691830D C2
9	A% 8< #	1.181109D C0	1.044015D C1	1.271946D C2
10	A% 9< #	5.274207D C1	1.023150D C1	1.068801D C2
11	A% 10< #	2.229822D C1	8.751456D C2	1.850618D C2
12	A% 11< #	7.291654D C2	6.306654D C2	8.907106D C3
13	A% 12< #	9.827946D C3	2.374974D C2	8.207699D C3
14	A% 13< #	3.934381D C2	4.033436D C3	1.256643D C4
15	A% 14< #	3.317841D C2	5.477048D C3	2.857226D C4
16	A% 15< #	2.008077D C2	4.642214D C3	1.937445D C4
17	A% 16< #	1.011206D C2	3.956565D C3	2.699025D C4
18	A% 17< #	5.098737D C3	2.911225D C3	7.821908D C5
19	A% 18< #	2.573828D C3	1.953581D C3	2.450491D C5
20	A% 19< #	1.294561D C3	1.214309D C3	4.186351D C5
21	A% 20< #	6.334950D C4	7.003836D C4	3.596184D C5
22	A% 21< #	2.780729D C4	3.448263D C4	2.244815D C5
23	A% 22< #	9.714526D C5	1.287735D C4	9.834827D C6
24	A% 23< #	4.915314D C6	9.243889D C7	1.354850D C6
25	A% 24< #	7.071330D C7	3.120279D C7	4.762511D C7

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E = 2.80 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	4.163282D 01	6.627805D 00	5.130344D 00
2	A% 1< #	3.044437D 01	8.118187D 01	7.410669D 02
3	A% 2< #	7.438480D 01	-3.195263D 00	2.117628D 00
4	A% 3< #	5.304031D 00	2.678003D 01	-4.812888D 03
5	A% 4< #	1.090350D 01	1.561254D 00	8.212724D 02
6	A% 5< #	-1.091392D 01	-2.185065D 01	-2.121137D 02
7	A% 6< #	-5.226431D 00	-5.524279D 02	-8.608003D 02
8	A% 7< #	-2.616202D 00	-4.787734D 04	-3.572780D 02
9	A% 8< #	-1.117455D 00	-9.985141D 02	-1.228063D 02
10	A% 9< #	-4.926515D 01	-9.854901D 02	1.048119D 02
11	A% 10< #	-2.056229D 01	-8.480278D 02	1.811093D 02
12	A% 11< #	-6.400905D 02	-6.147141D 02	8.860096D 03
13	A% 12< #	1.471232D 02	-2.185189D 02	8.156547D 03
14	A% 13< #	4.360358D 02	-3.790815D 03	-4.754292D 05
15	A% 14< #	3.591721D 02	5.263006D 03	-2.309937D 04
16	A% 15< #	2.306274D 02	4.803739D 03	-2.026164D 04
17	A% 16< #	1.161591D 02	4.114224D 03	-2.823454D 04
18	A% 17< #	5.865329D 03	3.042976D 03	-8.324714D 05
19	A% 18< #	2.951679D 03	2.055514D 03	2.400280D 05
20	A% 19< #	1.479833D 03	1.279701D 03	4.393933D 05
21	A% 20< #	7.213939D 04	7.379841D 04	3.827973D 05
22	A% 21< #	3.162668D 04	3.629358D 04	2.393955D 05
23	A% 22< #	1.113061D 04	1.355642D 04	1.640012D 05
24	A% 23< #	8.056631D 06	1.271039D 06	1.280206D 06
25	A% 24< #	1.233424D 06	3.272340D 07	4.453604D 07

E = 2.90 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.958705D 01	5.771534D 00	4.113479D 00
2	A% 1< #	3.102624D 01	6.116672D 01	6.427783D 02
3	A% 2< #	6.144703D 01	-2.874162D 00	1.699511D 00
4	A% 3< #	4.055262D 00	-2.445561D 01	-5.770865D 03
5	A% 4< #	4.543205D 00	1.287818D 00	6.039502D 02
6	A% 5< #	-1.065042D 01	-2.171456D 01	-2.040443D 02
7	A% 6< #	-5.043408D 00	-5.088665D 02	-8.260824D 02
8	A% 7< #	-2.467194D 00	-3.078889D 03	-3.419969D 02
9	A% 8< #	-1.031770D 00	-9.441911D 02	-1.172762D 02
10	A% 9< #	-4.452156D 01	-9.396068D 02	1.016068D 02
11	A% 10< #	-1.808231D 01	-8.145533D 02	1.752456D 02
12	A% 11< #	-5.095900D 02	-5.950537D 02	8.705617D 03
13	A% 12< #	2.219473D 02	-1.970065D 02	8.012265D 03
14	A% 13< #	4.913218D 02	3.572459D 03	2.904639D 05
15	A% 14< #	3.953248D 02	5.048848D 03	-1.778459D 04
16	A% 15< #	2.624249D 02	4.965978D 03	-2.115941D 04
17	A% 16< #	1.322177D 02	4.273775D 03	-2.949270D 04
18	A% 17< #	6.686586D 03	3.177358D 03	-8.844631D 05
19	A% 18< #	3.358334D 03	2.160329D 03	2.335951D 05
20	A% 19< #	1.680434D 03	1.347201D 03	4.602027D 05
21	A% 20< #	8.173685D 04	7.769282D 04	4.065551D 05
22	A% 21< #	3.585502D 04	3.818110D 04	2.548571D 05
23	A% 22< #	1.274105D 04	1.427541D 04	1.099781D 05
24	A% 23< #	1.198555D 05	1.785659D 06	1.214823D 06
25	A% 24< #	2.005050D 06	3.966991D 07	4.180287D 07

E = 3.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.863224D 01	5.243899D 00	3.448312D 00
2	A% 1< #	3.170413D 01	4.367695D 01	5.685892D 02
3	A% 2< #	5.262651D 01	-2.636785D 00	1.426519D 00
4	A% 3< #	2.950646D 00	2.291509D 01	-6.615420D 03
5	A% 4< #	4.588634D 01	1.111678D 00	4.659236D 02
6	A% 5< #	-1.041723D 01	-2.167608D 01	-1.971687D 02
7	A% 6< #	-4.877762D 00	-4.685331D 02	-7.958980D 02
8	A% 7< #	-2.327601D 00	6.445734D 03	-3.286961D 02
9	A% 8< #	-9.496515D 01	-8.972554D 02	-1.124481D 02
10	A% 9< #	-3.987976D 01	-9.004558D 02	5.886132D 03
11	A% 10< #	-1.560280D 01	-7.863800D 02	1.702702D 02
12	A% 11< #	-3.761464D 02	-5.788172D 02	8.576775D 03
13	A% 12< #	3.030530D 02	-1.782332D 02	7.894958D 03
14	A% 13< #	5.527418D 02	3.361406D 03	9.831272D 05
15	A% 14< #	4.334400D 02	4.846263D 03	-1.300552D 04
16	A% 15< #	2.562704D 02	5.128419D 03	-2.205603D 04
17	A% 16< #	1.493299D 02	4.435204D 03	-3.077279D 04
18	A% 17< #	7.564276D 03	3.314461D 03	-9.385852D 05
19	A% 18< #	3.794826D 03	2.268115D 03	2.256187D 05
20	A% 19< #	1.896951D 03	1.416865D 03	4.810800D 05
21	A% 20< #	9.217473D 04	8.172548D 04	4.309831D 05
22	A% 21< #	4.050957D 04	4.014825D 04	2.708232D 05
23	A% 22< #	1.455390D 04	1.503559D 04	1.162523D 05
24	A% 23< #	1.673090D 05	2.475546D 06	1.159608D 06
25	A% 24< #	3.032542D 06	5.231396D 07	3.946043D 07

E = 3.40 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	3.902418D 01	4.549904D 00	2.255182D 00
2	A% 1< #	3.519493D 01	-9.118359D 02	3.842732D 02
3	A% 2< #	3.638618D 01	-2.147210D 00	9.403905D 01
4	A% 3< #	-1.833353D 01	-2.066338D 01	-9.903806D 03
5	A% 4< #	-7.345351D 00	8.243560D 01	2.222164D 02
6	A% 5< #	-1.004424D 01	-2.267559D 01	-1.859819D 02
7	A% 6< #	-4.505210D 00	-3.640668D 02	-7.373937D 02
8	A% 7< #	-1.939222D 00	-1.846084D 02	-3.014597D 02
9	A% 8< #	-6.990400D 01	-7.959827D 02	-1.023112D 02
10	A% 9< #	-2.480135D 01	-8.249903D 02	9.482254D 03
11	A% 10< #	-7.116313D 02	-7.397830D 02	1.623546D 02
12	A% 11< #	1.049543D 02	-5.523526D 02	8.578256D 03
13	A% 12< #	6.401069D 02	-1.327436D 02	7.898091D 03
14	A% 13< #	8.273487D 02	2.449350D 03	3.223344D 04
15	A% 14< #	6.605848D 02	4.069901D 03	1.901703D 05
16	A% 15< #	4.518649D 02	5.784883D 03	-2.576400D 04
17	A% 16< #	2.281931D 02	5.100167D 03	-3.599190D 04
18	A% 17< #	1.163397D 02	3.889448D 03	-1.170975D 04
19	A% 18< #	5.838751D 03	2.728872D 03	1.793734D 05
20	A% 19< #	2.922933D 03	1.717360D 03	5.644278D 05
21	A% 20< #	1.424361D 03	9.926500D 04	5.340967D 05
22	A% 21< #	6.348895D 04	4.883035D 04	3.404517D 05
23	A% 22< #	2.390916D 04	1.850898D 04	1.449745D 05
24	A% 23< #	4.440718D 05	7.121859D 06	1.057224D 06
25	A% 24< #	9.894610D 06	1.648504D 06	3.465199D 07

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E = 3.80 eV, j = 5				j' = j				j' = j + 2				j' = j + 4			
1	A% 0< #	4.147951D	C1					4.680805D	C0			1.859555D	C0		
2	A% 1< #	3.921002D	01					-4.997435D	C1			2.496157D	C2		
3	A% 2< #	3.196606D	C1					-1.966480D	C0			7.850555D	C1		
4	A% 3< #	-2.141221D	C0					2.047001D	C1			-1.346119D	C2		
5	A% 4< #	-1.102129D	C1					7.814216D	C1			1.394259D	C2		
6	A% 5< #	-1.020802D	C1					-2.467481D	C1			-1.846413D	C2		
7	A% 6< #	-4.397768D	C0					-3.162334D	C2			-7.373476D	C2		
8	A% 7< #	-1.702118D	C0					2.866289D	C2			-2.973288D	C2		
9	A% 8< #	-5.112268D	C1					-7.828156D	C2			-1.006870D	C2		
10	A% 9< #	-1.233493D	C1					-8.231445D	C2			9.751212D	C3		
11	A% 10< #	4.038287D	C3					-7.609061D	C2			1.662828D	C2		
12	A% 11< #	5.645739D	C2					-5.636668D	C2			9.107858D	C3		
13	A% 12< #	1.012233D	C1					-1.185560D	C2			8.398055D	C3		
14	A% 13< #	1.141675D	C1					-1.297424D	C3			5.129030D	C4		
15	A% 14< #	9.472211D	C2					3.163888D	C3			1.454454D	C4		
16	A% 15< #	6.411405D	C2					-6.464801D	C3			-2.939237D	C4		
17	A% 16< #	3.243300D	C2					5.799904D	C3			-4.141823D	C4		
18	A% 17< #	1.663684D	C2					4.510651D	C3			-1.431537D	C4		
19	A% 18< #	8.380302D	C3					3.238896D	C3			1.087137D	C5		
20	A% 19< #	4.217631D	C3					-2.054254D	C3			6.471366D	C5		
21	A% 20< #	2.070928D	C3					1.191684D	C3			6.461355D	C5		
22	A% 21< #	5.389960D	C4					-5.889737D	C4			4.191411D	C5		
23	A% 22< #	3.687619D	C4					2.272544D	C4			1.796148D	C5		
24	A% 23< #	8.712841D	C5					1.507339D	C5			1.180111D	C6		
25	A% 24< #	2.157309D	C5					3.871633D	C6			3.852401D	C7		

E = 4.40 eV, j = 5				j' = j				j' = j + 2				j' = j + 4			
1	A% 0< #	4.597918D	01					5.374163D	C0			1.673997D	C0		
2	A% 1< #	4.532050D	01					-1.072406D	C0			2.107132D	C3		
3	A% 2< #	3.279998D	01					-1.861407D	C0			7.247889D	C1		
4	A% 3< #	-3.944644D	C0					1.992837D	C1			-2.046465D	C2		
5	A% 4< #	-1.474350D	C1					8.737444D	C1			9.267613D	C3		
6	A% 5< #	-1.078975D	C1					-2.860658D	C1			-1.986951D	C2		
7	A% 6< #	-4.362752D	C0					-3.114580D	C2			-7.859983D	C2		
8	A% 7< #	-1.397517D	C0					-4.290971D	C2			-3.102715D	C2		
9	A% 8< #	-2.310572D	C1					-8.482748D	C2			-1.051701D	C2		
10	A% 9< #	7.542951D	C2					-9.270914D	C2			1.073879D	C2		
11	A% 10< #	1.298493D	C1					-8.528614D	C2			1.824026D	C2		
12	A% 11< #	1.375542D	C1					-6.129164D	C2			1.041018D	C2		
13	A% 12< #	1.705511D	C1					-1.293075D	C2			9.634265D	C3		
14	A% 13< #	1.700353D	C1					-9.761312D	C4			7.951775D	C4		
15	A% 14< #	1.488476D	C1					1.322586D	C3			3.362763D	C4		
16	A% 15< #	9.910529D	C2					7.541912D	C3			-3.514091D	C4		
17	A% 16< #	5.022142D	C2					6.925708D	C3			-4.993469D	C4		
18	A% 17< #	2.596460D	C2					-5.534397D	C3			-1.276578D	C4		
19	A% 18< #	1.317136D	C2					4.100338D	C3			-4.521874D	C6		
20	A% 19< #	6.690681D	C3					-2.631004D	C3			7.684038D	C5		
21	A% 20< #	3.327734D	C3					1.537041D	C3			8.303568D	C5		
22	A% 21< #	1.544763D	C3					-7.678096D	C4			-5.545228D	C5		
23	A% 22< #	6.368070D	C4					3.056705D	C4			2.435444D	C5		
24	A% 23< #	1.822380D	C4					-3.391036D	C5			-1.875709D	C6		
25	A% 24< #	4.914868D	C5					9.529240D	C6			6.404999D	C7		

E = 5.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.068784D 01	6.337935D 00	1.658726D 00
2	AX 1< #	5.120343D 01	-1.679280D 00	-2.918261D 02
3	AX 2< #	3.773887D 01	-1.772304D 00	7.414283D 01
4	AX 3< #	-4.774924D 00	1.686056D 01	-2.922883D 02
5	AX 4< #	-1.768639D 01	1.064881D 00	7.767004D 03
6	AX 5< #	-1.140773D 01	-3.328520D 01	-2.175111D 02
7	AX 6< #	-4.264917D 00	-3.519436D 02	-8.619754D 02
8	AX 7< #	-1.024374D 00	5.728125D 02	-3.321295D 02
9	AX 8< #	1.139577D 01	-9.773388D 02	-1.134007D 02
10	AX 9< #	3.243802D 01	-1.083136D 01	1.205275D 02
11	AX 10< #	2.914311D 01	-1.007779D 01	2.045157D 02
12	AX 11< #	2.445785D 01	-6.834891D 02	1.203217D 02
13	AX 12< #	2.616392D 01	-1.672265D 02	1.120187D 02
14	AX 13< #	2.384360D 01	-3.962631D 03	-1.495803D 03
15	AX 14< #	2.164231D 01	-1.252507D 03	5.523842D 04
16	AX 15< #	1.423560D 01	8.691857D 03	-4.085285D 04
17	AX 16< #	7.218867D 02	8.144451D 03	-5.888014D 04
18	AX 17< #	3.755951D 02	-6.672920D 03	-2.388804D 04
19	AX 18< #	1.918771D 02	5.082119D 03	-2.591429D 05
20	AX 19< #	9.833301D 03	-3.297266D 03	8.844234D 05
21	AX 20< #	4.948196D 03	1.941398D 03	1.033339D 04
22	AX 21< #	2.341690D 03	9.821659D 04	-7.111426D 05
23	AX 22< #	9.996854D 04	4.036901D 04	3.228247D 05
24	AX 23< #	3.177701D 04	-6.184506D 05	-3.285434D 06
25	AX 24< #	8.995559D 05	1.827368D 05	1.171323D 06

E = 6.00 eV, j = 5				j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	5.854844D 01	8.275224D 00	1.774992D 00		
2	AX 1< #	6.046861D 01	-2.861173D 00	-1.076758D 01		
3	AX 2< #	5.087799D 01	-1.429830D 00	8.448616D 01		
4	AX 3< #	-4.060551D 00	1.352341D 02	-4.791916D 02		
5	AX 4< #	-2.148041D 01	1.551328D 00	8.846772D 03		
6	AX 5< #	-1.204276D 01	-4.225994D 01	-2.537231D 02		
7	AX 6< #	-3.673333D 00	-5.129112D 02	-1.018074D 01		
8	AX 7< #	-8.049726D 02	-8.147726D 02	-3.745429D 02		
9	AX 8< #	9.246071D 01	-1.296457D 01	-1.312085D 02		
10	AX 9< #	9.025104D 01	-1.446513D 01	1.458794D 02		
11	AX 10< #	6.713311D 01	-1.341221D 01	2.480606D 02		
12	AX 11< #	5.000676D 01	-8.303212D 02	-1.512902D 02		
13	AX 12< #	4.719748D 01	-2.796030D 02	1.429538D 02		
14	AX 13< #	3.860679D 01	-1.044389D 02	-1.659440D 03		
15	AX 14< #	3.600212D 01	-7.327538D 03	9.929440D 04		
16	AX 15< #	2.337315D 01	1.082626D 02	-5.041388D 04		
17	AX 16< #	1.184042D 01	1.040067D 02	-7.465341D 04		
18	AX 17< #	6.210678D 02	8.838901D 03	-3.393347D 04		
19	AX 18< #	3.205736D 02	6.996523D 03	-7.550425D 05		
20	AX 19< #	1.663741D 02	-4.615941D 03	-1.061593D 04		
21	AX 20< #	8.505924D 03	2.753613D 03	1.411710D 04		
22	AX 21< #	4.123380D 03	1.423596D 03	-1.020400D 04		
23	AX 22< #	1.831457D 03	6.140775D 04	4.915142D 05		
24	AX 23< #	6.413406D 04	-1.306059D 04	-7.469713D 06		
25	AX 24< #	1.902321D 04	4.044476D 05	2.764312D 06		

E = 7.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	6.637381D 01	1.046993D 01	1.972615D 00
2	A% 1< #	6.949134D 01	<del>4.332821D 00</del>	<del>2.247413D 01</del>
3	A% 2< #	6.758119D 01	-6.263917D 01	1.006329D 00
4	A% 3< #	<del>3.179137D 01</del>	<del>3.230934D 01</del>	<del>7.175949D 02</del>
5	A% 4< #	-2.377697D 01	2.230527D 00	1.371131D 02
6	A% 5< #	<del>1.184683D 01</del>	<del>5.250123D 01</del>	<del>2.908680D 02</del>
7	A% 6< #	-2.318366D 00	-7.837947D 02	-1.194482D 01
8	A% 7< #	<del>1.397646D 00</del>	<del>1.957355D 01</del>	<del>4.185488D 02</del>
9	A% 8< #	2.109314D 00	-1.719150D 01	-1.518773D 02
10	A% 9< #	<del>1.732209D 00</del>	<del>1.908646D 01</del>	<del>1.731127D 02</del>
11	A% 10< #	1.219401D 00	-1.757507D 01	2.960268D 02
12	A% 11< #	<del>8.713527D 01</del>	<del>9.995056D 02</del>	<del>1.849786D 02</del>
13	A% 12< #	7.660801D 01	-4.441202D 02	1.783769D 02
14	A% 13< #	<del>5.836121D 01</del>	<del>1.849318D 02</del>	<del>2.309972D 03</del>
15	A% 14< #	5.441448D 01	-1.563396D 02	1.550221D 03
16	A% 15< #	<del>3.506360D 01</del>	<del>1.331110D 02</del>	<del>5.962382D 04</del>
17	A% 16< #	1.770408D 01	1.295696D 02	-9.142988D 04
18	A% 17< #	<del>9.339739D 02</del>	<del>1.135313D 02</del>	<del>4.589426D 04</del>
19	A% 18< #	4.861497D 02	9.269878D 03	-1.431272D 04
20	A% 19< #	<del>2.548585D 02</del>	<del>6.204922D 03</del>	<del>1.213356D 04</del>
21	A% 20< #	1.319164D 02	3.747105D 03	1.838494D 04
22	A% 21< #	<del>6.505595D 03</del>	<del>1.976376D 03</del>	<del>1.391145D 04</del>
23	A% 22< #	2.966005D 03	8.872945D 04	7.087578D 05
24	A% 23< #	<del>1.096235D 03</del>	<del>2.294508D 04</del>	<del>1.423819D 05</del>
25	A% 24< #	3.341998D 04	7.297762D 05	5.355240D 06

E = 8.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	A% 0< #	7.422728D 01	1.281542D 01	2.214257D 00
2	A% 1< #	<del>7.892621D 01</del>	<del>6.155423D 00</del>	<del>3.835723D 01</del>
3	A% 2< #	8.782848D 01	8.066632D 01	1.212693D 00
4	A% 3< #	<del>6.997972D 00</del>	<del>8.790791D 01</del>	<del>1.007868D 01</del>
5	A% 4< #	-2.424206D 01	3.092440D 00	2.293337D 02
6	A% 5< #	<del>1.059973D 01</del>	<del>6.390302D 01</del>	<del>3.246622D 02</del>
7	A% 6< #	-3.196708D 02	-1.153058D 01	-1.382564D 01
8	A% 7< #	<del>3.502366D 00</del>	<del>1.303631D 01</del>	<del>4.595405D 02</del>
9	A% 8< #	3.726317D 00	-2.215879D 01	-1.747531D 02
10	A% 9< #	<del>2.051347D 00</del>	<del>2.434281D 01</del>	<del>2.005971D 02</del>
11	A% 10< #	1.960062D 00	-2.226484D 01	3.458333D 02
12	A% 11< #	<del>1.376438D 00</del>	<del>1.174686D 01</del>	<del>2.197411D 02</del>
13	A% 12< #	1.152712D 00	-6.479650D 02	2.173300D 02
14	A% 13< #	<del>8.390352D 01</del>	<del>2.746568D 02</del>	<del>3.049255D 03</del>
15	A% 14< #	7.706761D 01	-2.591348D 02	2.235592D 03
16	A% 15< #	<del>4.947532D 01</del>	<del>1.625095D 02</del>	<del>6.819500D 04</del>
17	A% 16< #	2.485337D 01	1.583216D 02	-1.091225D 03
18	A% 17< #	<del>1.316347D 01</del>	<del>1.422633D 02</del>	<del>5.681960D 04</del>
19	A% 18< #	6.898098D 02	1.191071D 02	-2.295945D 04
20	A% 19< #	<del>3.645475D 02</del>	<del>8.072449D 03</del>	<del>1.334086D 04</del>
21	A% 20< #	1.905398D 02	4.928837D 03	2.311810D 04
22	A% 21< #	<del>9.519119D 03</del>	<del>2.646122D 03</del>	<del>1.824497D 04</del>
23	A% 22< #	4.420909D 03	1.227082D 03	9.771955D 05
24	A% 23< #	<del>1.690951D 03</del>	<del>3.605278D 04</del>	<del>2.385895D 05</del>
25	A% 24< #	5.249550D 04	1.166700D 04	9.047892D 06

E = 9.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	8.218876D 01	1.522681D 01	2.484237D 00
2	AX 1< #	8.935594D 01	8.359918D 00	5.844766D 01
3	AX 2< #	1.096289D 02	2.955959D 00	1.458566D 00
4	AX 3< #	1.832356D 01	1.668688D 00	1.348575D 01
5	AX 4< #	-2.254033D 01	4.120963D 00	3.737815D 02
6	AX 5< #	8.172379D 00	7.632852D 01	3.496726D 02
7	AX 6< #	3.305659D 00	-1.604585D 01	-1.577224D 01
8	AX 7< #	6.292323D 00	1.560057D 01	4.956447D 02
9	AX 8< #	5.814464D 00	-2.750165D 01	-1.996728D 02
10	AX 9< #	4.285187D 00	-2.983084D 01	-2.271843D 02
11	AX 10< #	2.910389D 00	-2.714083D 01	3.956244D 02
12	AX 11< #	2.025966D 00	-1.336730D 01	-2.542193D 02
13	AX 12< #	1.638074D 00	-8.749681D 02	2.591135D 02
14	AX 13< #	1.159066D 00	-3.642218D 02	-3.872200D 03
15	AX 14< #	1.041208D 00	-3.764513D 02	3.053283D 03
16	AX 15< #	6.678829D 01	1.977358D 02	-7.578331D 04
17	AX 16< #	3.333184D 01	1.904940D 02	-1.276015D 03
18	AX 17< #	1.770058D 01	-1.747051D 02	-7.569905D 04
19	AX 18< #	9.326048D 02	1.492749D 02	-3.354095D 04
20	AX 19< #	4.960803D 02	-1.022587D 02	-1.420073D 04
21	AX 20< #	2.613317D 02	6.304553D 03	2.829992D 04
22	AX 21< #	1.318813D 02	3.437181D 03	-2.321177D 04
23	AX 22< #	6.210333D 03	1.636455D 03	1.298957D 04
24	AX 23< #	2.432330D 03	-5.255659D 04	-3.654769D 05
25	AX 24< #	7.649930D 04	1.721646D 04	1.392584D 05

E = 10.00 eV, j = 5		j' = j	j' = j + 2	j' = j + 4
1	AX 0< #	9.031401D 01	1.762915D 01	2.773273D 00
2	AX 1< #	1.011878D 02	-1.094465D 01	-8.251841D 01
3	AX 2< #	1.327458D 02	5.823531D 00	1.739778D 00
4	AX 3< #	-3.386940D 01	-2.687231D 00	-1.732841D 01
5	AX 4< #	-1.835486D 01	5.291800D 00	5.772216D 02
6	AX 5< #	4.483616D 00	-8.957115D 01	-3.592069D 02
7	AX 6< #	7.793221D 00	-2.114997D 01	-1.774702D 01
8	AX 7< #	9.809869D 00	1.032890D 01	-5.266661D 02
9	AX 8< #	8.400865D 00	-3.281616D 01	-2.266166D 02
10	AX 9< #	6.052428D 00	-3.509974D 01	-2.517037D 02
11	AX 10< #	4.082775D 00	-3.182678D 01	4.437787D 02
12	AX 11< #	2.829744D 00	-1.465208D 01	-2.872010D 02
13	AX 12< #	2.226937D 00	-1.106454D 01	3.031160D 02
14	AX 13< #	1.549478D 00	-4.418717D 02	-4.774520D 03
15	AX 14< #	1.357174D 00	-5.010503D 02	4.004918D 03
16	AX 15< #	8.719799D 01	-2.402862D 02	-8.197320D 04
17	AX 16< #	4.318680D 01	2.263469D 02	-1.467909D 03
18	AX 17< #	2.297079D 01	-2.109863D 02	-9.356372D 04
19	AX 18< #	1.215588D 01	1.832882D 02	-4.612311D 04
20	AX 19< #	6.500880D 02	-1.267248D 02	-1.466656D 04
21	AX 20< #	3.446533D 02	7.879641D 03	3.391980D 04
22	AX 21< #	1.753430D 02	-4.353564D 03	-2.882065D 04
23	AX 22< #	8.346003D 03	2.117907D 03	1.675800D 04
24	AX 23< #	3.326029D 03	-7.259953D 04	-5.248288D 05
25	AX 24< #	1.056378D 03	2.399934D 04	2.005826D 05